SCANDINAVIA

A WINDOW TO THE WORLD

WWW
YOU TUBE
MAIL
FACEBOOK
MY APPS
APPLICATION MARKET
SETTINGS

PEOPLE
OF LAVA
SWEDEN

Scandinavia models: LD-42SLH-W, LD-47SLH-W, LD-55SLH-W

Thank you from People of Lava

Thank you!

At People of Lava we love what we do.

We love creating new, yet timeless designs. We love integrating the best possible technologies to create new experiences. We love creating beautiful top-quality products, that work fantastically well, and that we hope will contribute to your everyday satisfaction and enjoyment.
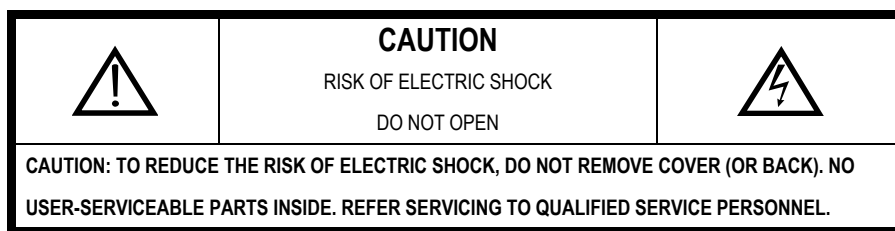
Nothing gives us more pleasure than when our customers feel as we do. Therefore, we would like to extend our warm Thanks for this opportunity to welcome you as People of Lava!

If you have any questions or comments - please do not hesitate to contact us!

Sincere regards,

People of Lava

Sweden

⚠	**CAUTION** RISK OF ELECTRIC SHOCK DO NOT OPEN	⚡
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		

| ⚠	This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
⚡	This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

To reduce the risk of fire or shock hazard, do not expose the TV to rain or moisture.

NOTICE

- **If the same pattern is continuously displayed on the Monitor/ TV for a long period of time, it can be the situation when the image "Sticks" to screen.**

- **The apparatus shall not be exposed to dripping or splashing and no object filled with liquids, such as vases, shall be place on the apparatus**

Conformity

Conformity
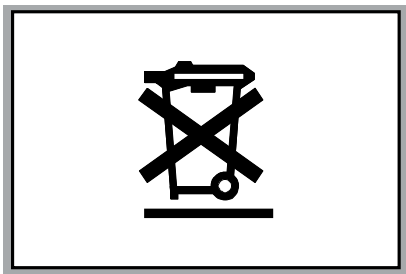
This product is subject to the European guideline 2002/96/EC.
All electric and electronic devices must be disposed of separately from household waste at publicly established facilities.

Avoid hazard to the environment and dangers to your personal health by disposing the device properly.

For further information about the proper disposal, contact the relevant local government department, the disposal facility or the shop where you bought the device.

Unpacking and setup

Scope of Supply

Please check, that the delivery is complete.

1. TV Unit
2. Remote control
3. Batteries
4. Power cable

Safety

- Read the following instructions carefully.
- Keep this manual at hand.
- Closely follow the instructions given.
- Proceed exactly as described in the instructions.
- Do not use the unit near water.
- Clean the unit with a dry cloth only.
- Ensure that the ventilation openings are not covered.
- Do not install the unit close to heat sources such as radiators, stoves or other devices (including amplifiers) radiating heat.
- Use grounded plugs (shock-proof plugs) and wall outlets only. If the provided plug does not fit your outlet, consult an electrician to replace the outdated outlet.
- Lay the power cable in a manner that does not obstruct anyone. Make sure the power cable is not damaged or stepped on, particularly at the plug and at the exit of the unit.
- In case you have to disconnect the unit quickly from the mains, make sure the wall socket is easily accessible. Connect the unit as described in the instructions by the manufacturer.
- To completely disconnect the unit from the electric power, unplug the power cable.
- Do not use any extension cables.
- Use the accessories specified by the manufacturer only.
- Only use suitable stands, supports, carts or tables that ensure the unit does not tip over. If you place the unit on a cart, move it with caution to prevent injuries or damage resulting from tip-over.

Unpacking and setup

Safety

- Unplug the unit during lightning storms or if you will not use it for a longer period of time.
- Refer all servicing to qualified service personnel only. Servicing is required if the unit has been damaged, e.g. if the power cable or power plug are damaged, if liquid or objects entered the unit, it was subject to rain or any other kind of humidity, if it has been dropped or if it does not operate properly.
- Safety instructions to handle the battery - to prevent leakage of the batteries and related health hazards or damage to material follow the instructions below:

  - Mind the polarity of the batteries (+/-) when inserting. Use only similar batteries (manufacturer, carbon, alkaline, old, and new) together.

  - Remove the batteries, if you will not use the unit for a longer period.

- To avoid electric shock or fire, do not expose the unit to rain or humidity.
- Do not expose the unit to dripping or splashing water. Do not place any container with liquids (beverages, vases etc.) on the unit.
- Do not place any open fire (candles etc.) on the unit.
- If you use an outdoor antenna, make sure to ground the antenna to provide protection against voltage surges and build up of static charges.
- Please make sure to observe the local laws and regulations applicable in your country.

 This symbol indicates instructions to facilitate the operation.

 This symbol indicates additional safety instructions in the text.

Unpacking and setup

Location

►*The Best Distance*

⚠ The distance when watching programs on a television of this size should be approximately 3 to 5 meters. If the distance is too large or too small, this may lead to strain of your eyes. This may impair your health.

► *Background Light/Reflections*

When watching television at night, the television should not be the only source of light in the room. The big difference of brightness between the screen and the background causes continuous dark-light adaptation of the eyes. This leads to strain of the eyes and may cause headaches. It is better, if a dim, indirect light lights-up the environment of the television. For the same reasons, make sure that no reflections on the screen impair the picture.

► *The Best Alignment*

⚠ Choose a location that allows you to sit in a relaxed position. Otherwise, tension and further impairments to your health may be the consequence.

►*Additional Information on the Location*

- Do not expose the unit to direct sunlight.
- Avoid humid and/or dusty environments.
- Place the unit on level, non-vibrating surfaces.
- Do not place the unit close to the outlets of air conditioners or heaters.
- Make sure the unit is easily accessible from all sides.
- Make sure that no liquids can enter the unit.
- Avoid extreme changes of temperature to prevent humidity condensing in the unit.

Intended purpose

This is a unit for consumer electronics. It may only be used for private, non-industrial purposes. The unit is constructed to be used a maximum of 6 hours per day.
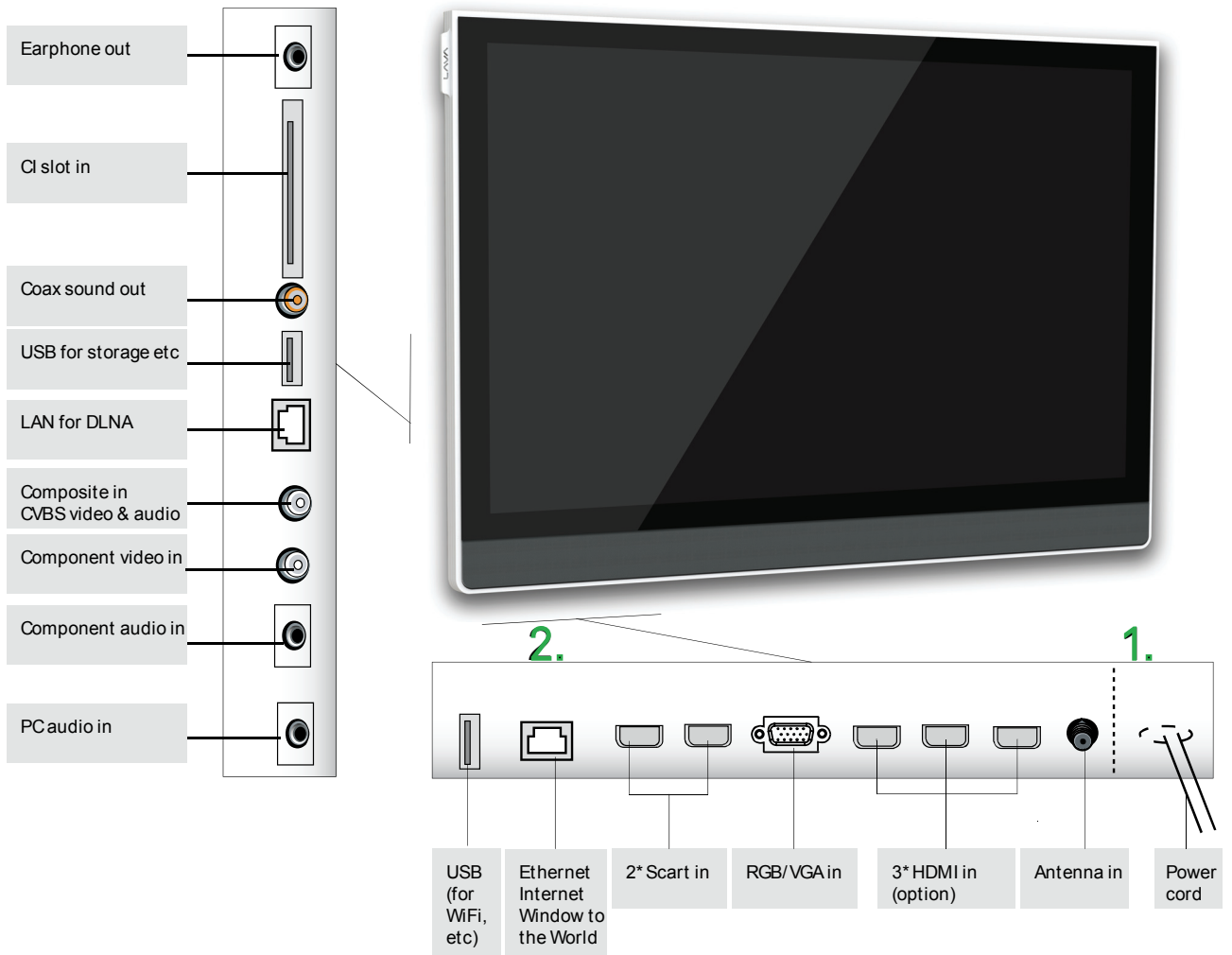Furthermore the unit may only be operated indoors and not for commercial purposes.

ⓘ Keep this user guide carefully.
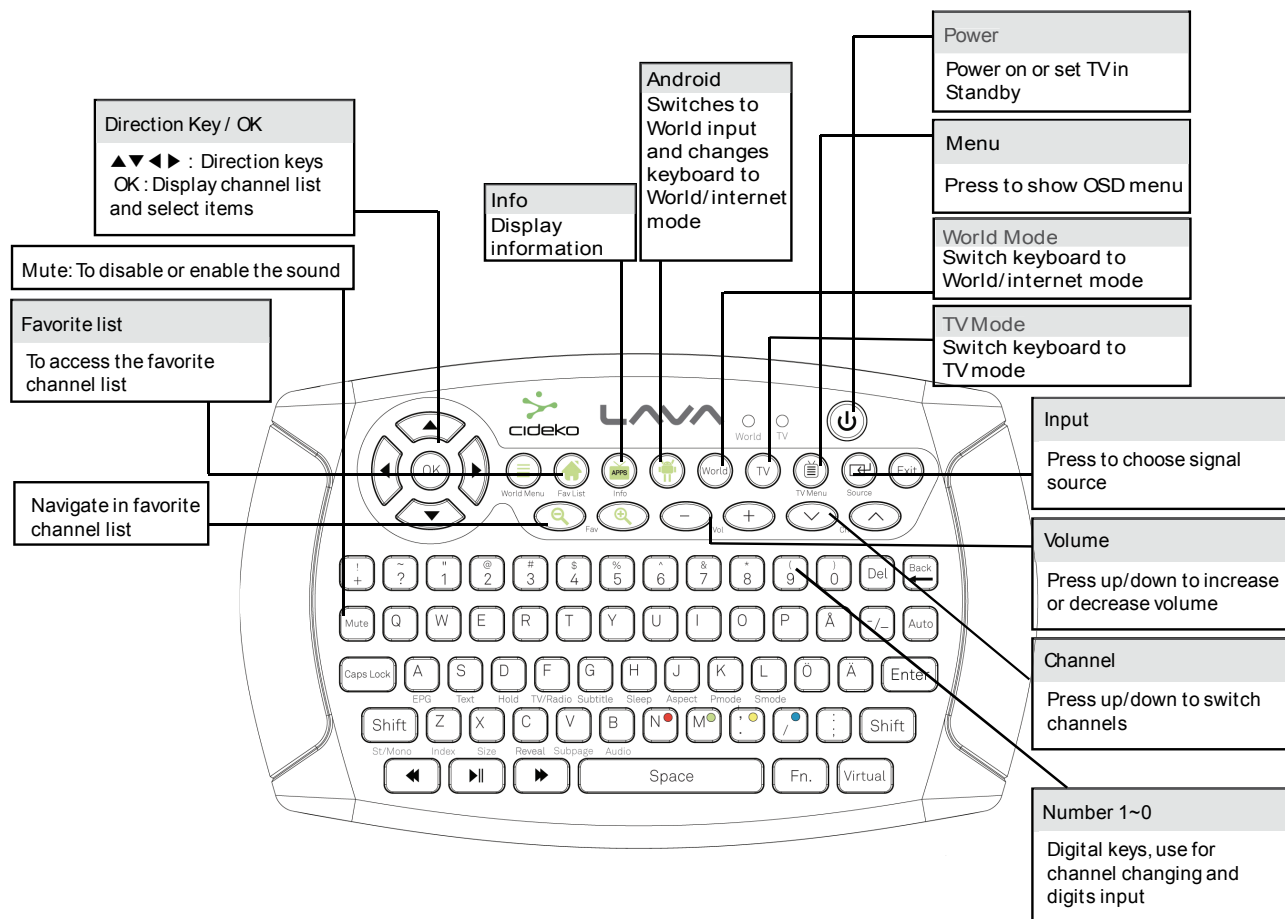
User Guidance Information

Controls and Functions

Earphone out	
CI slot in	
Coax sound out	
USB for storage etc	
LAN for DLNA	
Composite in CVBS video & audio	
Component video in	
Component audio in	
PC audio in	

2.

1.

USB (for WiFi, etc)	Ethernet Internet Window to the World	2* Scart in	RGB/VGA in	3* HDMI in (option)	Antenna in	Power cord

1. After securely mounting your Scandinavia on a wall-mount or table-stand, connect the power cord to a grounded wall socket

2. Connect your Ethernet cable from the Ethernet-port under the TV in the Scandinavia to your Ethernet-port in the wall

The function of Remote Controller

Your Scandinavia remote control has two communication layers - one for TV-mode and one for World/internet-mode. Please see below how to change between these modes.

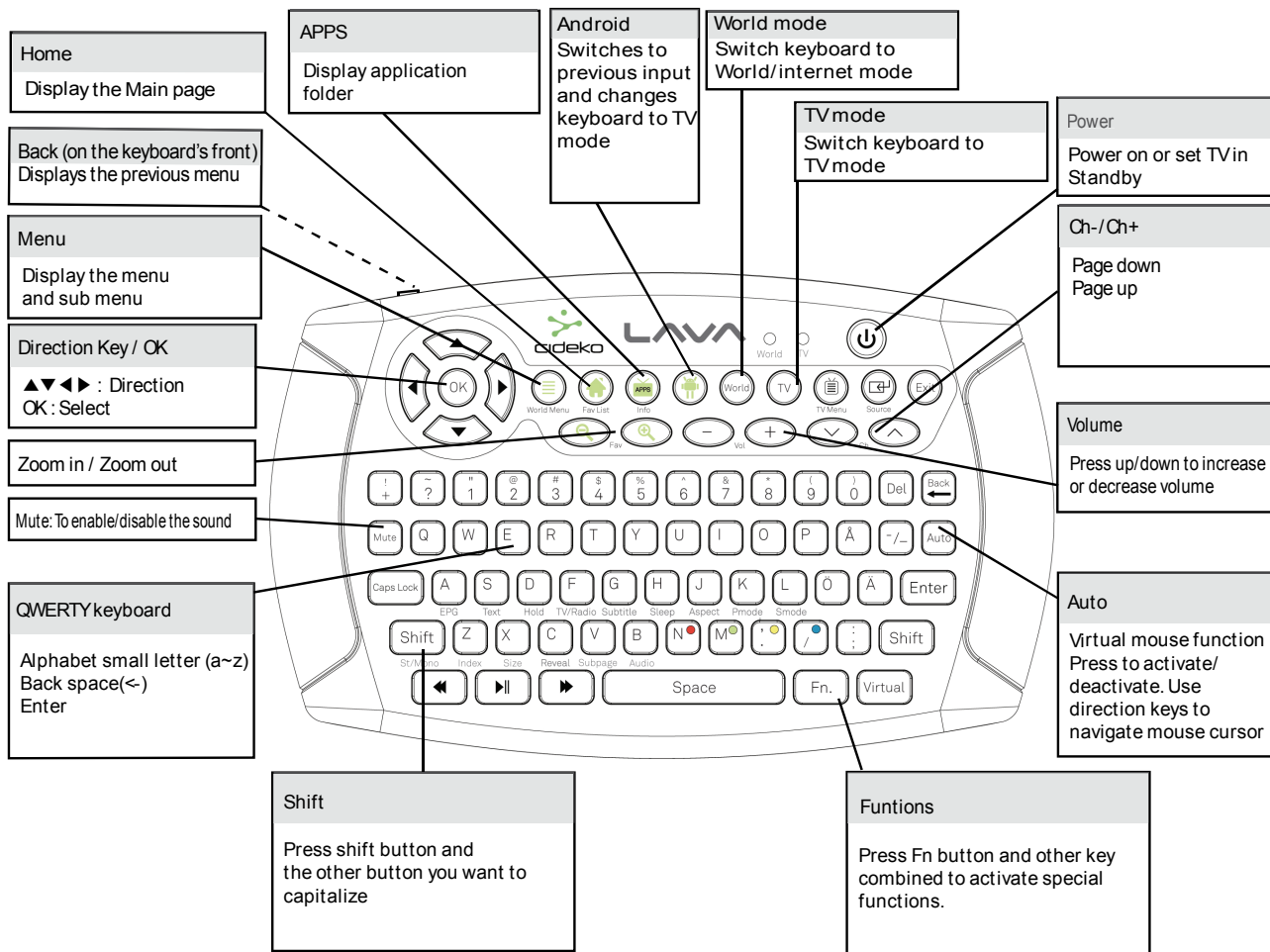## Using the remote control in TV-mode

Direction Key / OK

▲▼◀▶ : Direction keys
OK : Display channel list and select items

Mute: To disable or enable the sound

Favorite list

To access the favorite channel list

Navigate in favorite channel list

Info
Display information

Android
Switches to World input and changes keyboard to World/internet mode

Power
Power on or set TV in Standby

Menu
Press to show OSD menu

World Mode
Switch keyboard to World/internet mode

TV Mode
Switch keyboard to TV mode

Input
Press to choose signal source

Volume
Press up/down to increase or decrease volume

Channel
Press up/down to switch channels

Number 1~0
Digital keys, use for channel changing and digits input

EPG	To open EPG menu	S-Mode	Press to adjust the sound mode
Text	To use teletext/ text-TV	Exit	Press to exit / go back
Hold	Adjusting text context in text-TV	Audio	In Analogue TV mode: Press to adjust NICAM
			In Digital TV mode: Press to toggle sound tracks
TV/Radio	Press to show Digital TV Channel list. Press again for Radio channel list	Index	Press to enter navigation page in text-mode
		Size	Press to adjust font-size in text-mode
		Reveal	Press to show more info
		Subpage	Press to open subpage in text-mode
Subtitle	Press to toggle subtitles	Lang	Press to choose language in Digital TV mode
Sleep	Press to set the sleep timer		
Aspect	Press to adjust the aspect		
P-Mode	Press to adjust the picture mode		

The function of Remote Controller

Your Scandinavia remote control has two communication layers - one for TV-mode and one for World/internet-mode. Please see below how to change between these modes.

## Using the remote control in World/Internet-mode

Home

Display the Main page

APPS

Display application folder

Android

Switches to previous input and changes keyboard to TV mode

World mode

Switch keyboard to World/internet mode

TV mode

Switch keyboard to TV mode

Power

Power on or set TV in Standby

Back (on the keyboard's front)
Displays the previous menu

Menu

Display the menu and sub menu

Ch-/Ch+

Page down
Page up

Direction Key / OK

▲▼◀▶ : Direction
OK : Select

Zoom in / Zoom out

Volume

Press up/down to increase or decrease volume

Mute: To enable/disable the sound

QWERTY keyboard

Alphabet small letter (a~z)
Back space(<-)
Enter

Auto

Virtual mouse function Press to activate/ deactivate. Use direction keys to navigate mouse cursor

Shift

Press shift button and the other button you want to capitalize

Funtions

Press Fn button and other key combined to activate special functions.

External Equipment Setup

- To avoid damaging any equipment, never plug in any power cord until you have finished connecting all equipment.

- This section on EXTERNAL EQUIPMENT SETUP mainly uses diagrams for each models.

- Image shown may differ from your TV

Connecting with a Component Cable

- This TV can receive Digital RF/Cable signals without an external digital set-top box. However, if you do receive Digital signals from a digital set-top box or other digital external device, refer to the diagram as shown below.

1. Connect the video outputs (Y, PB, PR) of the external equipment (digital set-top box, DVD, etc.) to the COMPONENT IN VIDEO jack on the TV with the special cable.

2. Connect the audio output of the external equipment (digital set-top box, DVD, etc.) to the COMPONENT IN AUDIO jack on the TV with the special cable.

3. Turn on the external equipment. (Refer to the external equipment's manual for operating instructions.)

4. Select the Component input source using the INPUT button on the remote control.
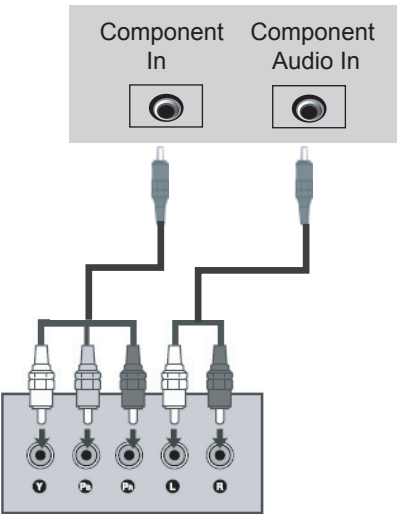
Video Format Supported

Signal	Component	HDMI
480i / 576i	O	O
480p / 576p	O	O
720p / 1080i	O	O
1080p	O	O

External Equipment Setup

Connecting with a HDMI cable

1. Connect the HDMI output of the external equipment (digital set-top box, DVD, etc.) to HDMI1 or 2 or 3 (If there is) jack on the TV.

2. Turn on the external equipment.
   (Refer to the external equipment's manual for operating instructions.)

3. Select HDMI1, HDMI2, HDMI3 (If there is) input source using the INPUT button on the remote control.

> ❗ NOTE
> - The TV can receive video and audio signals simultaneously when using an HDMI cable.
> - If the DVD does not support Auto HDMI, you must set the output resolution appropriately.
> - Check that your HDMI cable is version 1.3 or higher.
>   If the HDMI cables doesn't support HDMI version 1.3, flickering or no screen display can result. Please use the latest cables that support at least HDMI version 1.3.

* HDMI3 INPUT up to model
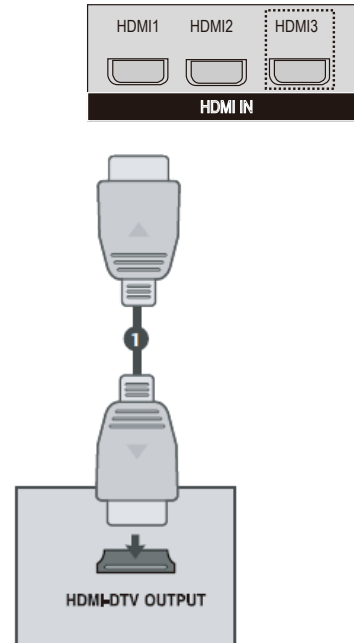
Connecting with an HDMI to DVI cable

1. Connect the digital set-top box or the DVI output of the PC to HDMI jack on the TV.

2. Connect the audio output of the digital set-top box or the PC audio output to the PC AUDIO IN jack on the TV.

3. Turn on the digital set-top box or the PC and the TV.
   (Refer to the digital set-top box or the PC manual for operating instructions.)

4. Select HDMI you connect to input source using the INPUT button on the remote control.

* HDMI3 INPUT up to model
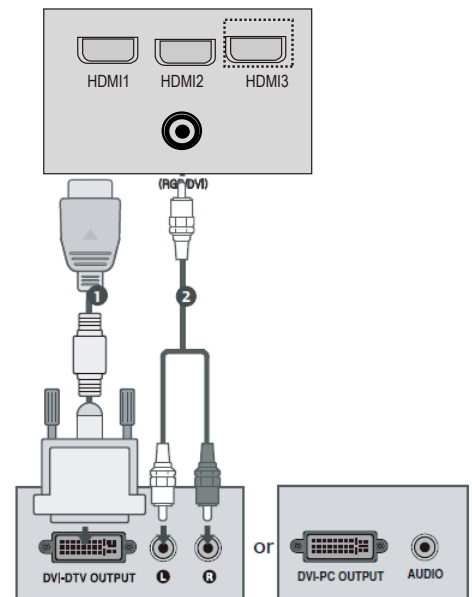
External Equipment Setup

Connecting with a RCA Cable

1. Connect the Audio/Video jacks between TV and VCR or external equipment with the special cable. Match the jack colours
   (Video = yellow, Audio Left = white, and Audio Right = red)
2. Insert a video tape into the VCR and press PLAY on the VCR.
   (Refer to the VCR owner's manual.)
   Or, Operate the corresponding external equipment.
   (Refer to external equipment operating guide.)
   Select AV input source using the INPUT button on the remote control.

🚫 NOTE

If you have a mono VCR, connect the audio cable from the VCR to the AUDIO L/MONO jack of the TV.

Composite In

S-video Video L R ANT IN
OUTPUT SWITCH 4 3
ANT OUT

OR

Video L R

Camcorder   Video Game Set
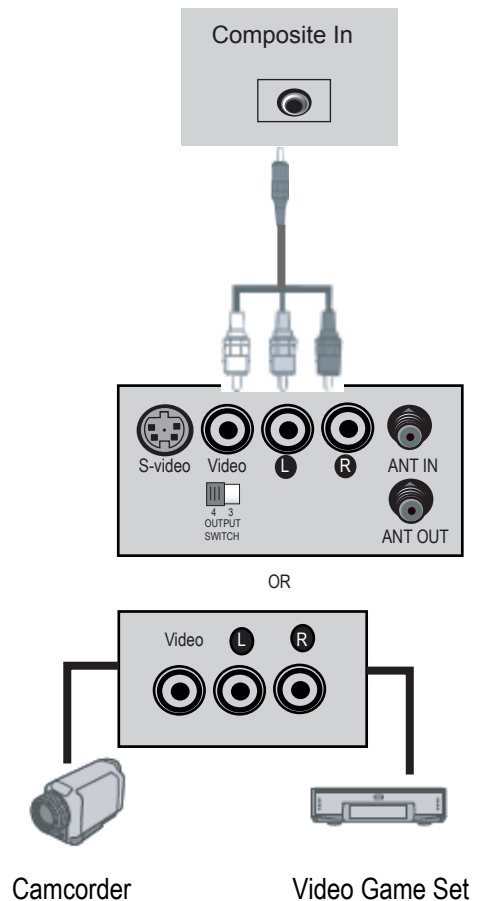
Connecting with a RF Cable

To avoid picture noise (interference), allow adequate distance between the VCR and TV.
1. Connect the ANT OUT socket of the VCR to the ANTENNA IN socket on the TV.
2. Connect the antenna cable to the ANT IN socket of the VCR.
3. Press the PLAY button on the VCR and match the appropriate channel between the TV and VCR for viewing.

ANT IN

ANT OUT Video L R S-VIDEO
ANT IN OUTPUT SWITCH 4 3

Wall Jack

Antenna
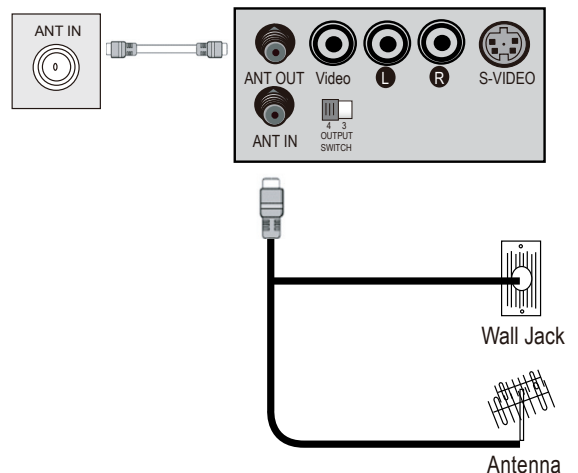
External Equipment Setup

Connecting with a euro SCART cable

1. Connect the Euro Scart socket of the external equipment (DVD, VCR, etc.) to the Scart socket on the TV with the special adapter cable.

2. Turn on the external equipment.
   (Refer to the external equipment's manual for operating instructions.)

3. Select Scart input source using the INPUT button on the remote control.
   If connected to Scart 2 socket, select Scart 2 input source.
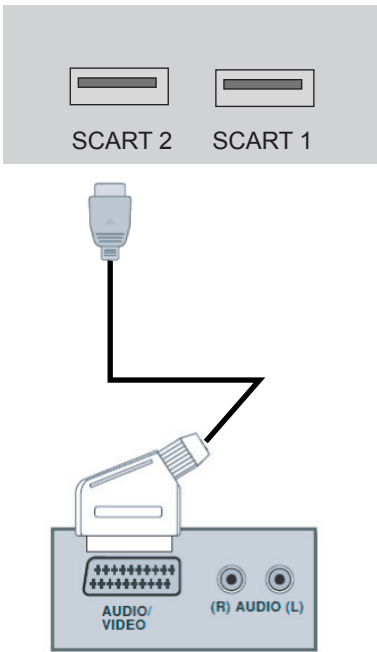
Scart	Input			Output
	Video	Audio	RGB	Video, Audio
Scart 1	O	O	O	Analogue Only
Scart 2	O	O	X	Analogue DTV, AV1/2/3 Output is available

❗ NOTE

- Any Euro SCART cable used must be signal shield.

USB Set up

You can listen to music and watch movies and pictures stored on a USB memory

1. Connect the USB device to the USB for storage jack on the TV.

2. Select USB input source using the INPUT button on the remote control.
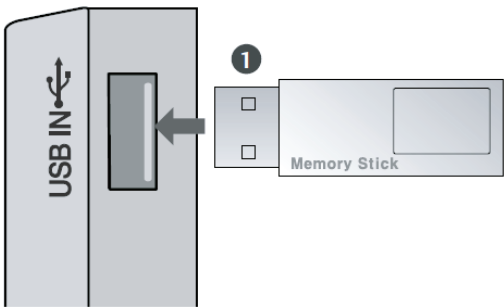
External Equipment Setup

Digital Audio Out setup

Sending the TV's audio signal to external audio equipment via the Digital Audio Output port.

If you want to enjoy digital broadcasting through 5.1-channel speakers, connect the COAX SOUND OUT terminal on the back of TV to a Home Theatre (or amp).

1. Connect one end of the cable to the TV COAX Sound Output port.

2. Connect the other end of the cable to the digital audio input on the audio equipment.

3. Refer to the external audio equipment instruction manual for operation.

AUDIO OUT

Earphone Set up

You can listen to the sound through the headphones.

1. Plug the headphones into the earphone socket.

2. To adjust the headphone volume, press the + or - button.
   If you press the MUTE button, the sound from the earphone is switched off.

❶ NOTE
- AUDIO menu items are disabled when connecting a headphone.
- Optical Digital Audio Out is not available when connecting a headphone.
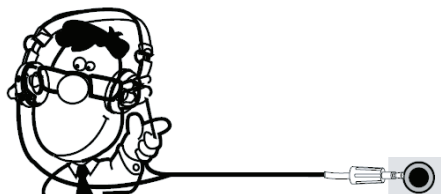
External Equipment Setup

Connecting with a D-SUB Cable

1. Connect the RGB output of the PC to the RGB IN (PC) jack on
   the TV.

2. Connect the PC audio output to the PC AUDIO IN (RGB/DVI)
   jack on the TV.

3. Turn on the PC and the TV

4. Select RGB input source using the INPUT button on the
   remote control.
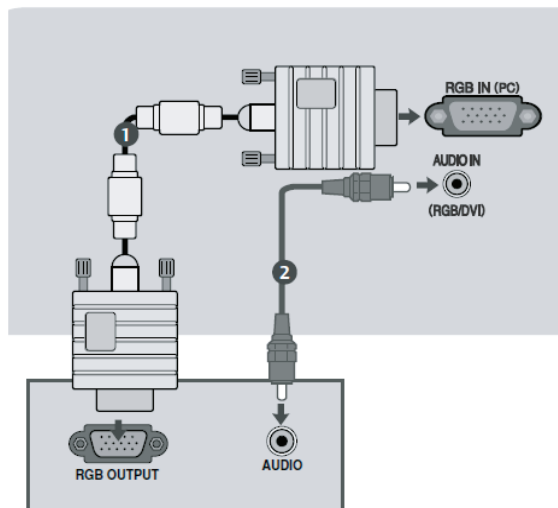
Inserting of CI Module

To view the encrypted (pay) services in digital TV mode.
- This feature is not available in all countries.

1. Insert the CI Module to CI SLOT of TV as shown.

❗ NOTE
Check if the CI module is inserted into the PCMCIA card slot in
the right direction. If the module is not inserted properly, this can
cause damage to the TV and the PCMCIA card slot.
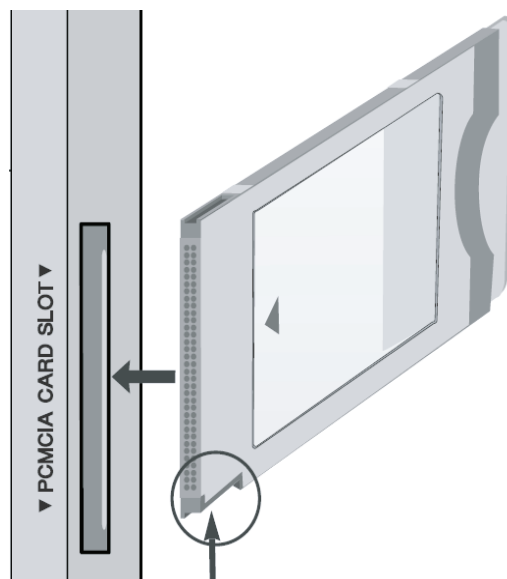
Check this point as shown and insert the CI Module.

WATCHING TV / PROGRAMME CONTROL

Turning on the TV

    ¤   Turning on the TV just after installation
        1. Connect power cord correctly. At this moment, the TV is switched to Standby mode.
        2. Press the POWER button on the TV or press the POWER Button on the remote control to turn on the TV.

    ¤   Turning on the TV (power cord is still connected)
        1. If the TV is turned off with the remote control button or POWER ON/OFF button on the TV.
        2. Press the POWER button on the TV or press the POWER button on the remote control and then the TV will turn on.
    ※   When using the remote control, aim it at the sensor on the TV.

Select input source

- Use this function to switch to the input source you wish to view.

    ¤   INPUT button

        1. Press the Input button and then press ▲ ▼ buttons to select input source.

        ※ All input sources will be automatically detected and displayed on screen, but you may select an activated source when the input cable is connected only.

Tips

    ¤   Adjusting volume level
        The volume (+) button increases the sound and the volume (-) button reduces the level of sound.

Volume		30

    ¤   To turn off sound only
        Use the Mute function to turn off the sound for a while.

BASIC FEATURES SET UP AND OPERATION

Setup Wizard

¤   There is a Setup Wizard that can be accessed from the Menu

Setup Wizard(1)

1. Press ▲ /▼ button to select the Language that you want to select.

Setup Wizard(1)
Please Select OSD Language:
English
Deutsch
French
Italian
Spanish
Portuguese

Cancel
✛ Move   ↵ Select   ⬑ Exit

2. Press OK button to select and enter the next step.
3. Press ◄ / ► button to select Cancel, then there will be a dialog as follows;

Do you want to do it next time?

Yes   No
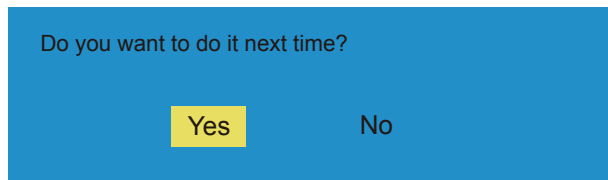
Choose 'Yes', the Setup Wizard will run the next time the TV is turned on.

Setup Wizard(2)

1. Press ▲ /▼ button to select the Country that you want to choose.

Setup Wizard(2)
Please Select Country:
UK
France
Spain
Italy
Germany
Sweden
Australia
Belgium
Previous   Cancel
┃ Up/Down   ━ Left/Right   ↵ Select

2. Press ENTER button to select and enter the next step.
3. Press ◄ / ► button to select Previous or Cancel, and then press the ENTER button to confirm the selection.

BASIC FEATURES SET UP AND OPERATION

Setup Wizard

Setup Wizard(3)

1. Press OK button to select Digital or Analog TV channels to be scanned;

Setup Wizard(3)
Please Select Start Auto Scan:

Digital

Analog

Previous   Cancel

| Up/Down   ─ Left/Right   ↵ Select
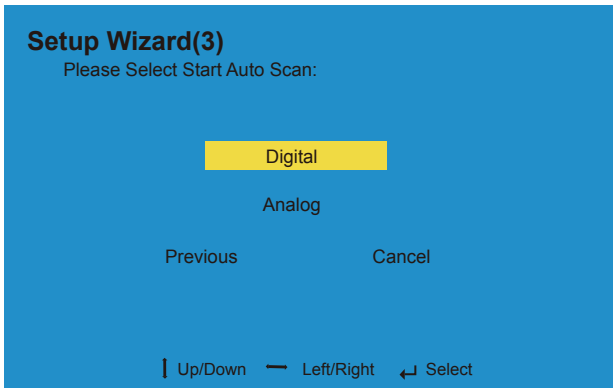
2. Press ▼ button to the bottom line, then press ◄ / ► button to select Previous or Cancel.

Setup Wizard(4)

1. Press Key EXIT to stop searching.

Setup Wizard(4)

DVB-T   Scanning...

20%   Found Channels   4

Press Key MENU or EXIT to stop searching
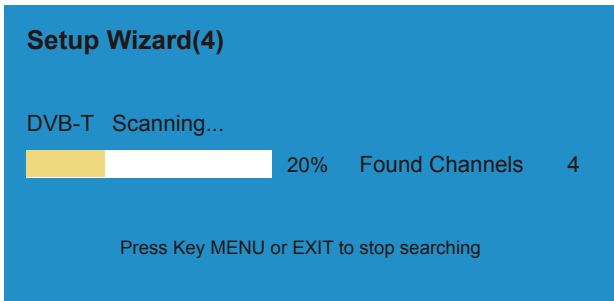
PICTURE CONTROL

Preset Picture Mode

Custom: Select when you want to use your own saved picture settings.

Standard: The most general picture mode setting.

Mild: The most mild picture setting.

Vivid: Strengthen the contrast, brightness, colour and sharpness for a vivid picture.
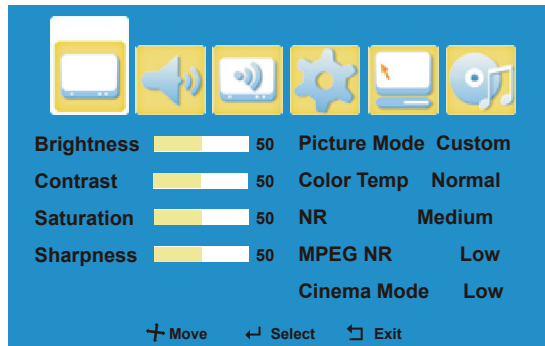
1. Press ▲ /▼ /◄ / ► button to select VIDEO.

2. Press OK button and ▲ /▼ /◄ / ► button to select Picture Mode.

3. Press ▲ /▼ button to select Custom, Standard, Mild or Vivid.

4. Press EXIT button to save and return back to the previous menu.

> ● You can also adjust Picture Mode with the PMODE button on the remote control.

Manual Picture Adjustment

Brightness: Adjusts the base level of the signal in the picture.

Contrast: Adjusts the signal level between black and white in the picture.
You may use Contrast when the bright part of the picture is saturated.

Saturation: Adjusts intensity of all colours.

Sharpness: Adjusts the level of crispness in the edges between the light and dark areas of the picture.
The lower the level, the softer the image.

1. Press ▲ /▼ /◄ / ► button to select Brightness, Contrast, Saturation and Sharpness.

2. Press OK button and press ◄ / ► button to adjust.

3. Press EXIT button to save and return back to the previous menu.

PICTURE CONTROL

Picture Improvement Technology

You can calibrate the screen for each Picture Mode or set the video value according to the special video screen.
You can set the video value differently for each input.

Color Temp: Choose one of three automatic colour adjustments. Set to warm to enhance warmer colours such as red, or set to cool to make picture bluish. (Available colortemp: Cold, Normal, Warm)

NR (Noise Reduction): Reduces screen noise.
(Available NR: Off, Low, Medium High)

MPEG NR: Reduces screen noise caused by MPEG compression.
(Available MPEG NR: Off, Low, Medium, High)

Cinema Mode: You can watch a cinema-like video by eliminating judder effect.
Use this function when you watch movies. (Available Cinema: Off, Low, Medium, High)

VIDEO					
Brightness	50	Picture Mode	Custom		
Contrast	50	Color Temp	Normal		
Saturation	50	NR	Medium		
Sharpness	50	MPEG NR	Low		
		Cinema Mode	Low		
+ Move	↵ Select	⤴ Exit			
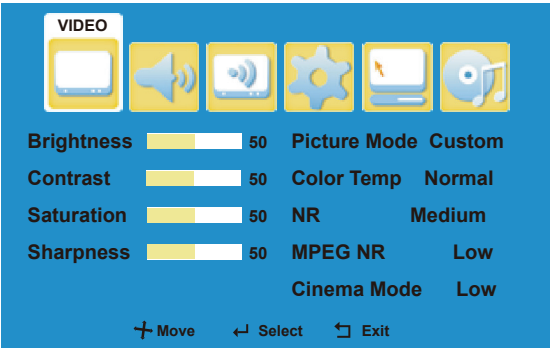
1. Press ▲ /▼ / ◄ / ► button to select VIDEO.
2. Press OK button and ▲ /▼ / ◄ / ► button to select Color Temp, NR, MPEG NR, and Cinema.
3. Press OK button and ▲ /▼ button to select.
4. Press EXIT button to save and return back to the previous menu.

SOUND CONTROL

Preset Sound Effect

BBE: BASS Booster Effect

SRS: Sound Retrieval System

Normal: Offers normal quality sound.

AUDIO	
Volume ▭ 50	Sound Effect BBE
Balance ▭ 0	SPDIF Output OFF
Treble ▭ 50	Equalizer
Bass ▭ 51	
✛ Move ↵ Select ⇆ Exit	

1. Press ▲ /▼ / ◄ / ► button to select AUDIO and then press OK button.

2. Press ▲ /▼ / ◄ / ► button to select Sound Effect and then press OK button.

3. Press ▲ /▼ button to select BBE, SRS or Normal.

4. Press EXIT button to save and return back to the previous menu.

Sound Setting Adjustment

Volume: Adjusts the volume.

Balance: Adjusts the sound balance of the speakers.

Treble: Adjusts the level of Treble.

Bass: Adjusts the level of Bass.

1. Press ▲ /▼ / ◄ / ► button to select Volume, Balance, Treble and Bass

2. Press OK button and press ◄ / ► button to adjust.

3. Press EXIT button to save and return back to the previous menu.

SOUND CONTROL

SPDIF Output (not all models)

This function allows you to set SPDIF output.

SPDIF output will be PCM (Pulse-code modulation) and RAW.
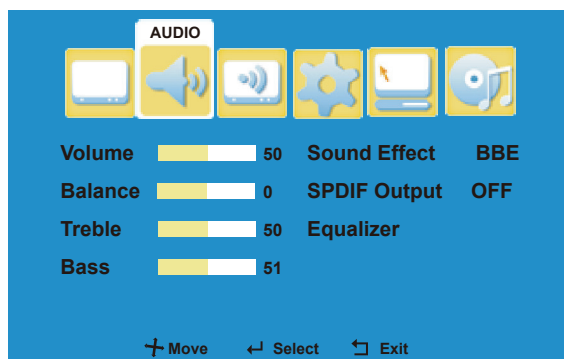
1. Press ▲ /▼ / ◄ / ► button to select AUDIO and then press OK button.

2. Press ▲ /▼ / ◄ / ► button to select SPDIF Output and then press OK button.

3. Press ▲ /▼ button to select Off, PCM, RAW.

4. Press EXIT button to save and return back to the previous menu.

Setting Equalizer
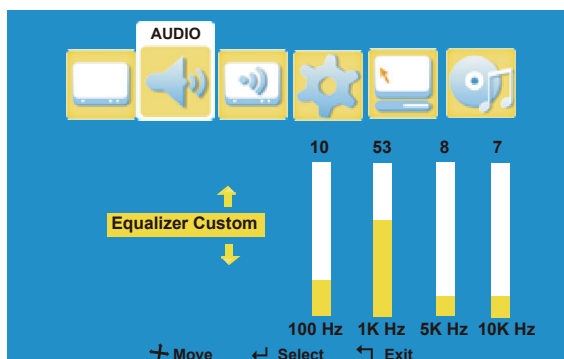
1. Press ▲ /▼ / ◄ / ► button to select Equalizer and then press OK button to enter.

2. Press ▲ /▼ button to select Rock, Country, Jazz, Classical, Blues, Default and Custom.

3. Only in the Custom Mode, you can set the Equalizer.

4. Press EXIT button to save and return back to the previous menu.

WATCHING TV / PROGRAMME CONTROL

AUTO PROGRAMME TUNING - Analog

Use this to automatically find and store all available programmes.

When you start auto programming, all previously stored service information will be deleted.
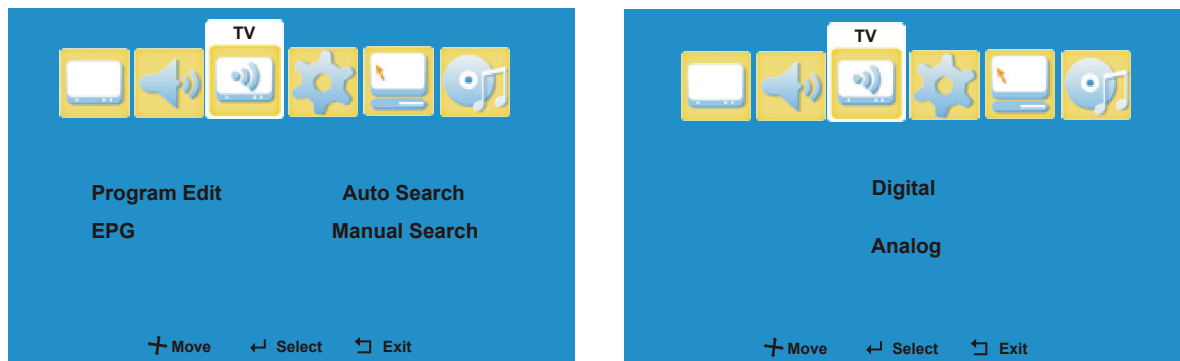
1. Press ▲ /▼ / ◄ / ► button to select TV and then press OK button.

2. Press ▲ /▼ / ◄ / ► button to select Auto Search and then press OK button.

3. Press ▲ /▼ button to select Analog, then press OK button to start search.

4. Press EXIT button to stop searching.
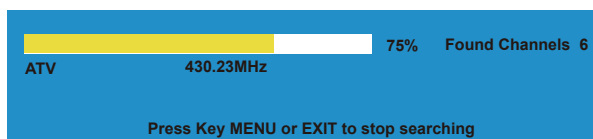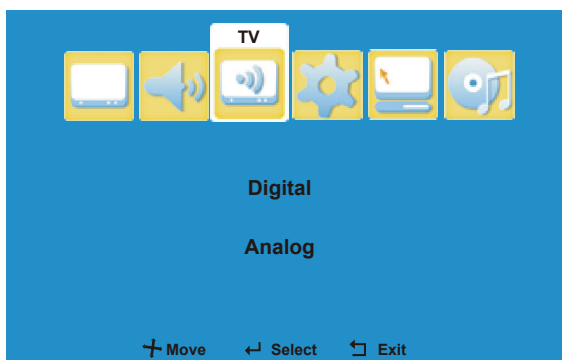
AUTO PROGRAMME TUNING – Digital (DVB-T)

1. Press ▲ /▼ / ◄ / ► button to select TV and then press OK button.

2. Press ▲ /▼ / ◄ / ► button to select Auto Search and then press OK button.

3. Press ▲ /▼ button to select Digital and then press OK

WATCHING TV / PROGRAMME CONTROL

AUTO PROGRAMME TUNING – Digital (DVB-T)
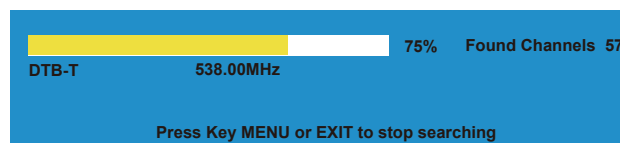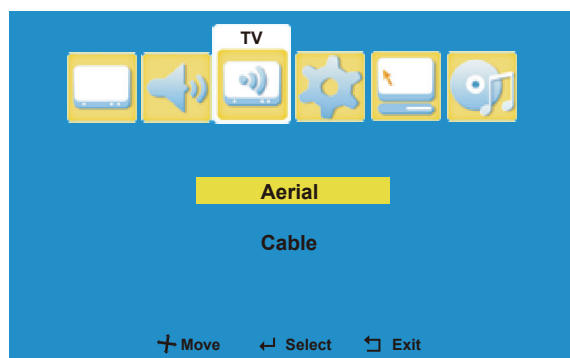
4. Press ▲ /▼ button to select Aerial and then press OK button to start searching DVB-T.

5. Press EXIT button to stop searching.

AUTO PROGRAMME TUNING - Digital(DVB-C)

The following values are needed in order to search all available programmes quickly and correctly.

The commonly used values are provided as "Auto".

However, for correct settings, please inquire for information from the cable service provider.

When running Auto Tuning in DVB-C (cable) mode, selecting Full will search through all frequencies between 110 MHz and 862 MHz to find available channels.

In the case the programme is not found by selecting the Default, perform the searching by selecting the Full search.

However, Full search can take a long time.

1. Press ▲ /▼ button to select Cable and then press OK button to set the information of DVB-C Searching.
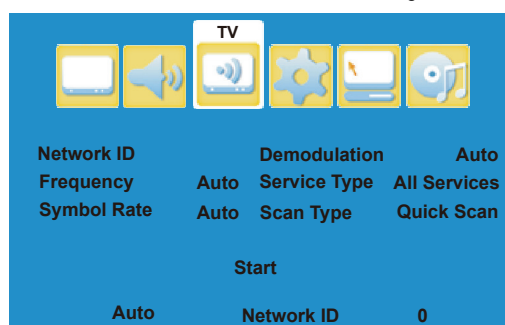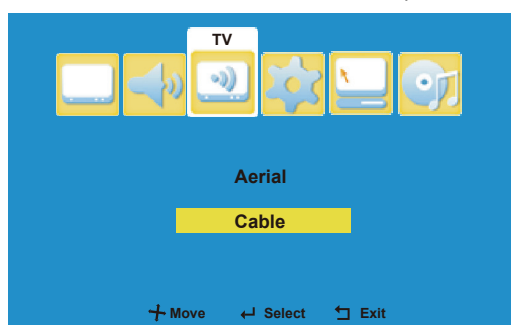
Network ID: Unique identifier allocated for each cable operator.

Frequency: Enter a user-defined frequency range.

Symbol rate: Enter a user-defined symbol rate. (Symbol rate: Speed at which a device such as modem sends symbols to a channel).

Demodulation: Enter a user-defined modulation. (Modulation: Loading of audio or video signals onto carrier).

Service Type: Enter a user-defined service type.

Scan Type: Enter a user-defined scan type.

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WATCHING TV / PROGRAMME CONTROL

AUTO PROGRAMME TUNING - Digital(DVB-C)

Network ID

1. Press ▲ /▼ / ◄ / ► button to select Network ID and then press OK button to enter.
2. Press ◄ / ► button to select Auto or press the number button to set the ID by yourself.
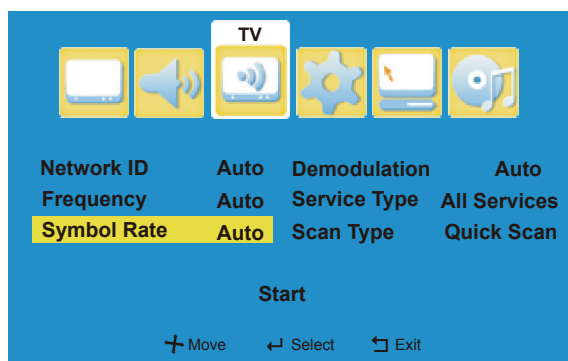3. Press OK button to confirm the setting and back to the previous menu.

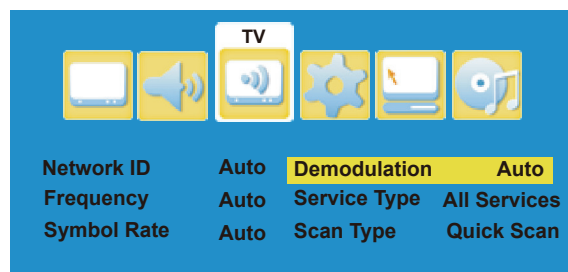| Network ID		Demodulation	Auto
Frequency	Auto	Service Type	All Services
Symbol Rate	Auto	Scan Type	Quick Scan

Start

Auto **Network ID** **0**
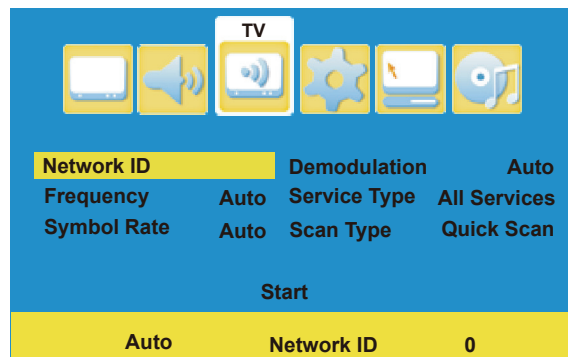
Frequency

1. Press ▲ /▼ / ◄ / ► button to select Frequency and then press OK button to enter.
2. Press ◄ / ► button to select Auto or press the number button to set the Frequency by yourself.
3. Press OK button to confirm the setting and back to the previous menu.

Network ID	Auto	Demodulation	Auto
Frequency	Auto	Service Type	All Services
Symbol Rate	Auto	Scan Type	Quick Scan

Start

╋ Move   ↵ Select   ⬑ Exit
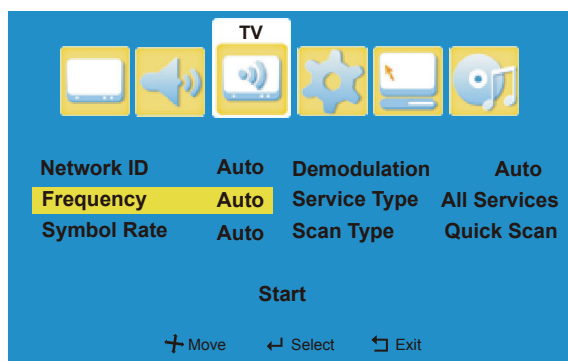
Symbol Rate

1. Press ▲ /▼ / ◄ / ► button to select Symbol Rate and then press OK button to enter.
2. Press ◄ / ► button to select Auto or press the number button to set the Symbol Rate by yourself.
3. Press OK button to confirm the setting and back to the previous menu.

Network ID	Auto	Demodulation	Auto
Frequency	Auto	Service Type	All Services
Symbol Rate	Auto	Scan Type	Quick Scan

Start

╋ Move   ↵ Select   ⬑ Exit

Demodulation

1. Press ▲ /▼ / ◄ / ► button to select Demodulation and then press OK button to enter.
2. Press ▲ /▼ button to select Auto/16QAM/64QAM/128QAM/256QAM.
3. Press OK button to confirm the setting and back to the previous menu.

Network ID	Auto	Demodulation	Auto
Frequency	Auto	Service Type	All Services
Symbol Rate	Auto	Scan Type	Quick Scan

WATCHING TV / PROGRAMME CONTROL

AUTO PROGRAMME TUNING - Digital(DVB-C)

Service Type

1. Press ▲ /▼ / ◄ / ► button to select Service Type and then press OK button to enter.
2. Press ▲ /▼ button to select All Services or Free Services.
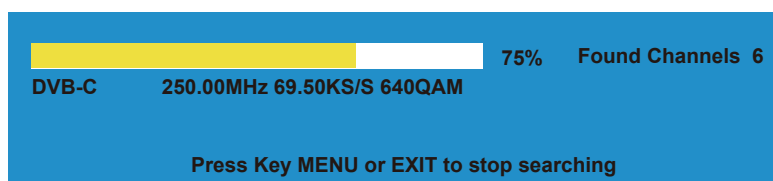3. Press OK button to confirm the setting and back to the previous menu.

Network ID	Auto	Demodulation	Auto
Frequency	Auto	Service Type	All Services
Symbol Rate	Auto	Scan Type	Quick Scan

Start

✛ Move   ↵ Select   ↰ Exit
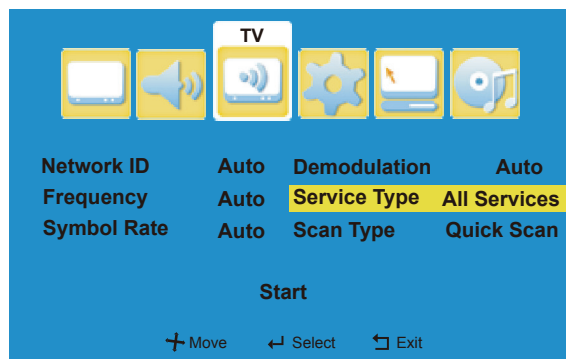
Scan Type

1. Press ▲ /▼ / ◄ / ► button to select Scan Type and then press OK button to enter.
2. Press ▲ /▼ button to select Quick Scan or Full Scan.
3. Press OK button to confirm the setting and back to the previous menu.

Network ID	Auto	Demodulation	Auto
Frequency	Auto	Service Type	All Services
Symbol Rate	Auto	Scan Type	Quick Scan

Start

✛ Move   ↵ Select   ↰ Exit
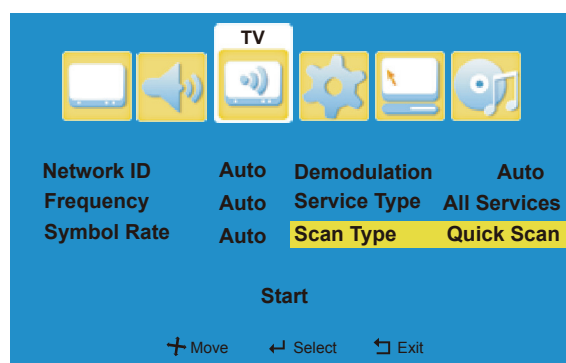
After setting the above information, Press ▲ /▼ button to select Start and press Start to search.

75%	Found Channels 6

DVB-C   250.00MHz 69.50KS/S 640QAM

Press Key MENU or EXIT to stop searching

WATCHING TV / PROGRAMME CONTROL

PROGRAMME EDIT

When a programme number is skipped, it means that you will be unable to select it using Ch+/Ch- buttons during TV viewing.

If you wish to select the skipped programme, directly enter the programme number with the NUMBER buttons or select it in the Programme edit menu.

This function enables you to skip the stored programmes.
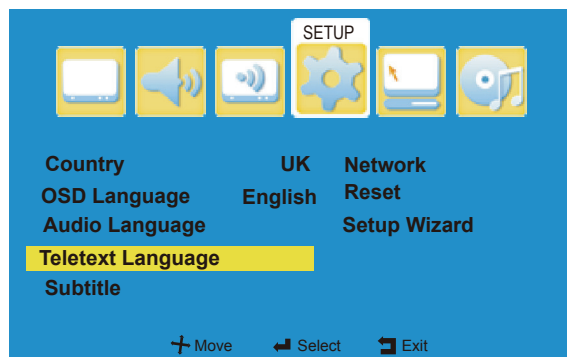
1. Press ▲ /▼ / ◄ / ► button to select TV and then press OK button.
2. Press ▲ /▼ / ◄ / ► button to select Program Edit and then press OK button.
3. Press ▲ /▼ / ◄ / ► button to select Service Type, then press OK button to enter and press OK to adjust.
4. Press ▲ /▼ button to select you want to make it a favourite channel, then press ► button to select Fav and press OK button to confirm.
5. Press OK button again will set it to a normal channel.
6. Press ▲ /▼ button to select you want to lock channel, then press ► button to select lock and press OK button to confirm.
7. Press OK button again to cancel channel lock.
8. Press ▲ /▼ button to select you want to skip channel, then press ► button to select skip and press OK button to confirm.
9. Press OK button again to cancel skip channel.

Press RED button on the remote control to rename the program. Press ▲ /▼ button to select different characters.

Press GREEN button to delete the program you don't want to remain

Press YELLOW button to change the places of the two programs.

Press BLUE button to move the program to the new place.

WATCHING TV / PROGRAMME CONTROL

EPG (IN DIGITAL MODE)

This system has an Electronic Programme Guide (EPG) to help you navigate through all the available programs.

The EPG supplies information such as programme listings, start and end times for all available services. In addition, detailed information about the programme is often available in the EPG (the availability and amount of these programme details will vary, depending on the particular broadcaster).

This function can be used only when the EPG information is broadcast by broadcaster
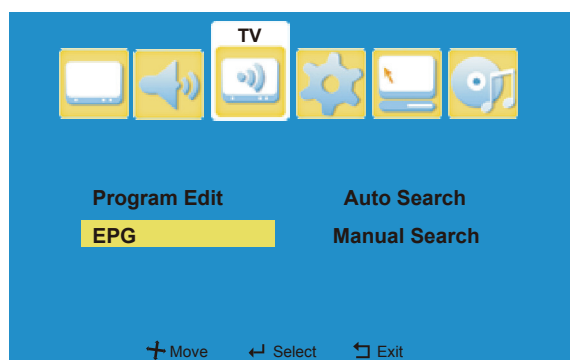
1. Press ▲ /▼ /◄ / ► button to select TV and then press OK button.

2. Press ▲ /▼ /◄ / ► button to select EPG and then press OK button to enter.

3. Press ▲ /▼ /◄ / ► button to select Program, and then press OK to add a reminder before the program starts.
   There will be an icon ⏰ to the right of program's name.

SETUP MENU

SETTING COUNTRY

1. Press ▲ /▼ / ◄ / ► button to select SET UP and then press OK button.
2. Press ▲ /▼ / ◄ / ► button to select Country, then press OK button to enter and press ▲ /▼ button to select.
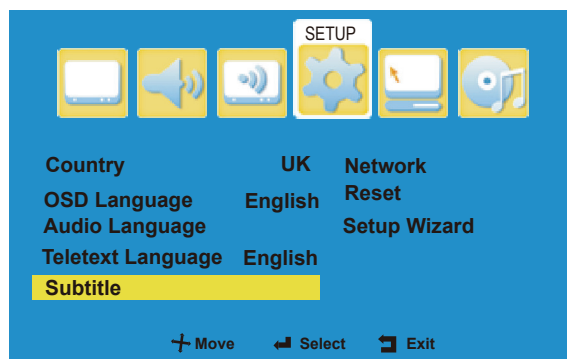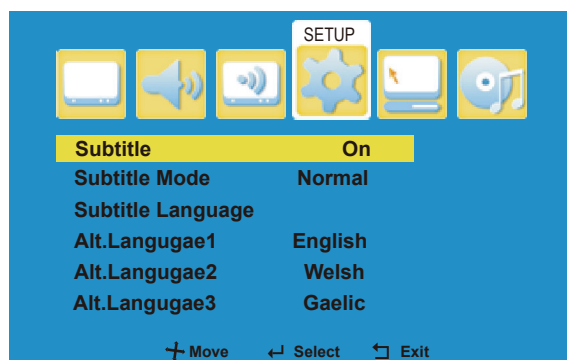3. Press EXIT button to save and return back to the previous menu.
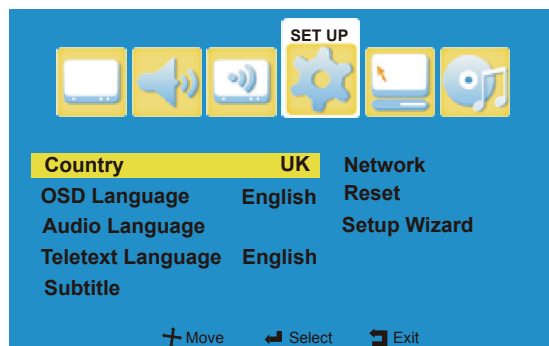
SETTING OSD LANGUAGE

1. Press ▲ /▼ / ◄ / ► button to select SET UP and then press OK button.
2. Press ▲ /▼ / ◄ / ► button to select OSD Language, then press OK button to enter and press ▲ /▼ button to select.
3. Press EXIT button to save and return back to the previous menu.

SETTING Audio LANGUAGE (Only IN DIGITAL TV MODE)

1. Press ▲ /▼ / ◄ / ► button to select SET UP and then press OK button.
2. Press ▲ /▼ / ◄ / ► button to select Audio Language, then press OK button to enter and press ▲ /▼ button to select.
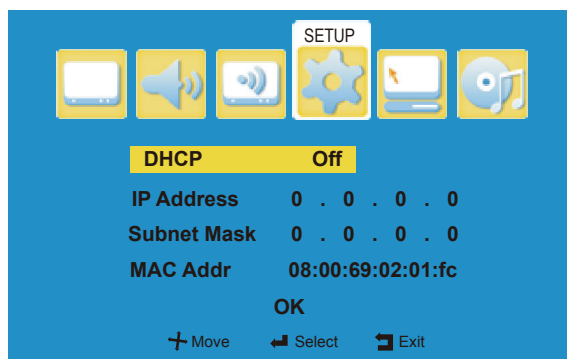3. Press EXIT button to save and return back to the previous menu.

SETUP MENU

SETTING Teletext Language

1. Press ▲ /▼ / ◄ / ► button to select SET UP and then press OK button.
2. Press ▲ /▼ / ◄ / ► button to select Teletext Language, then press OK button to enter and press ▲ /▼ button to select.
3. Press EXIT button to save and return back to the previous menu.

SETUP		
Country	UK	Network
OSD Language	English	Reset
Audio Language		Setup Wizard
Teletext Language		
Subtitle		

+ Move   ◄┘ Select   ⬎ Exit

SETTING Subtitle (Only IN DIGITAL TV MODE)

1. Press ▲ /▼ / ◄ / ► button to select SET UP and then press OK button.
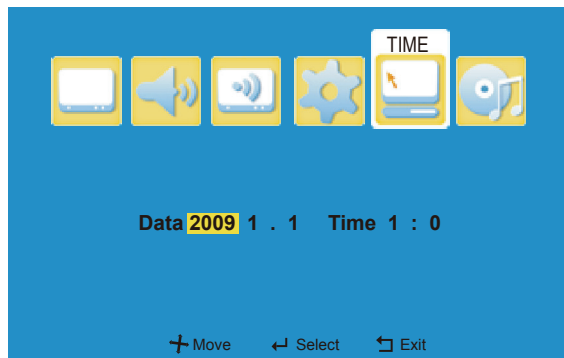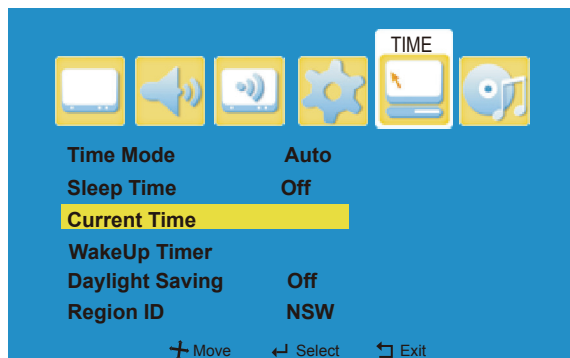2. Press ▲ /▼ / ◄ / ► button to select Subtitle and then press OK button to enter.

SETUP		
Country	UK	Network
OSD Language	English	Reset
Audio Language		Setup Wizard
Teletext Language	English	
Subtitle		

+ Move   ◄┘ Select   ⬎ Exit

Subtitle

1. Press ▲ /▼ button to select Subtitle and then press OK button to enter.
2. Press ▲ /▼ button to select On or Off.

When subtitle is at 'Off ' state, the subtitle mode and subtitle language option will not be available.

SETUP	
Subtitle	**On**
Subtitle Mode	Normal
Subtitle Language	
Alt.Langugae1	English
Alt.Langugae2	Welsh
Alt.Langugae3	Gaelic

+ Move   ◄┘ Select   ⬎ Exit

SETUP MENU

SETTING Subtitle (Only IN DIGITAL TV MODE)

Subtitle Mode

1. Press ▲ /▼ button to select Subtitle Mode and then press OK button to enter.
2. Press ▲ /▼ button to select Normal or Hard Hearing.

Subtitle Language

1. Press ▲ /▼ button to select Subtitle Language and then press OK button to enter.
2. Press ▲ /▼ button to select.

Alt.Language1/2/3

1. Press ▲ /▼ button to select Alt.Language1/2/3 and then press OK button to enter.
2. Press ▲ /▼ button to select.

	SETUP	
Subtitle		On
Subtitle Mode		Normal
Subtitle Language		
Alt.Language1		English
Alt.Language2		Welsh
Alt.Language3		Gaelic
✛ Move	↵ Select	⭾ Exit
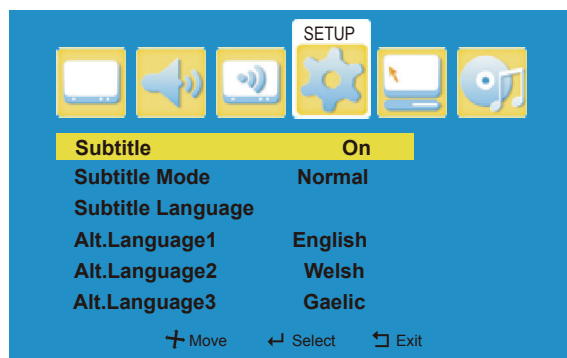
SETTING Network
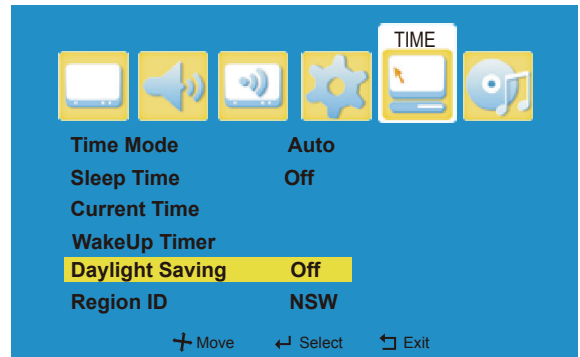
1. Press ▲ /▼ / ◄ / ► button to select SET UP and then press OK button.
2. Press ▲ /▼ / ◄ / ► button to select Network, then press OK button to enter.

	SETUP	
Country	UK	Network
OSD Language	English	Reset
Audio Language		Setup Wizard
Teletext Language	English	
Subtitle		
✛ Move	↵ Select	⭾ Exit
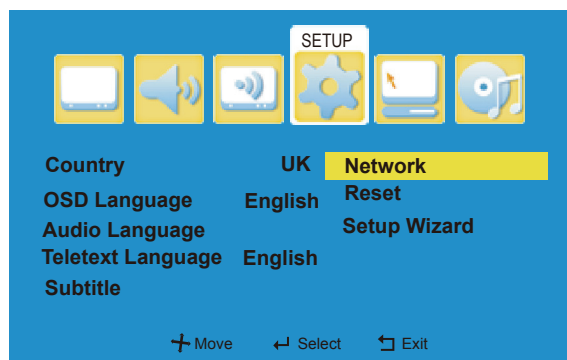
Setting DHCP

1. Press ▲ /▼ button to select DHCP and then press OK button to select On or Off.
2. When the DHCP is activated, IP Address settings are not available.

	SETUP	
DHCP		Off
IP Address	0 . 0 . 0 . 0	
Subnet Mask	0 . 0 . 0 . 0	
MAC Addr	08:00:69:02:01:fc	
	OK	
✛ Move	↵ Select	⭾ Exit

TIME MENU

SETTING TIME MODE

The clock is set automatically when receiving a digital signal. (You can set the clock manually only if the TV has no DTV signal.) You must set the time correctly before using on/off timer function.

1. Press ▲ /▼ / ◄ / ► button to select TIME and then press OK button.
2. Press ▲ /▼ / ◄ / ► button to select Time Mode, then press OK button to enter and press ▲ /▼ button to Auto or Manual.
3. Press EXIT button to save and return back to the previous menu.

TIME	
Time Mode	**Auto**
Sleep Time	**Off**
Current Time	
WakeUp Timer	
Daylight Saving	**Off**
Region ID	**NSW**
✛ Move ↵ Select ⅁ Exit	
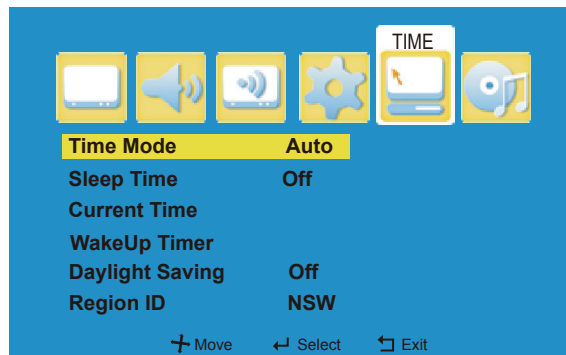
SETTING SLEEP TIME

1. Press ▲ /▼ / ◄ / ► button to select TIME and then press OK button.
2. Press ▲ /▼ / ◄ / ► button to select Sleep Time, then press OK button to enter and press ▲ /▼ button to select.
3. Press EXIT button to save and return back to the previous menu.

TIME	
Time Mode	**Auto**
Sleep Time	**Off**
Current Time	
WakeUp Timer	
Daylight Saving	**Off**
Region ID	**NSW**
✛ Move ↵ Select ⅁ Exit	

SETTING CURRENT TIME

TIME	
Time Mode	**Auto**
Sleep Time	**Off**
Current Time	
WakeUp Timer	
Daylight Saving	**Off**
Region ID	**NSW**
✛ Move ↵ Select ⅁ Exit	
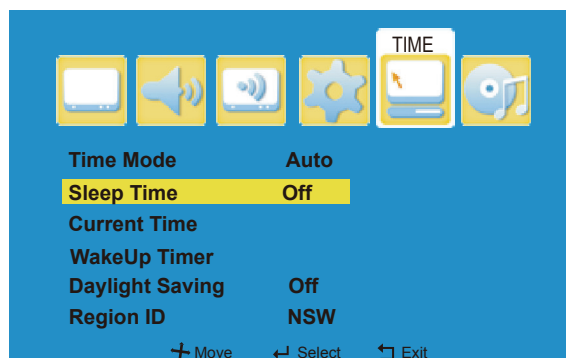
TIME
Data 2009 1 . 1   Time 1 : 0
✛ Move ↵ Select ⅁ Exit

1. Press ▲ /▼ / ◄ / ► button to select TIME and then press OK button.
2. Press ▲ /▼ / ◄ / ► button to select Current Time, then press OK button to enter.
3. Press ◄ / ► button to select year, then press ▲ /▼ button to choose the year of current time. Select the month and the day with the same method.
4. Press ◄ / ► button to select hour, then press ▲ /▼ button to choose the year of current time. Select the minute with the same method.
   ※ You can only set the Current Time when the Time Mode is set to "Manual".

TIME MENU

SETTING DAYLIGHT SAVING (depending on market)

1. Press ▲ /▼ / ◀ / ▶ button to select TIME and then press OK button.
2. Press ▲ /▼ / ◀ / ▶ button to select Daylight Saving then press OK button to enter and press ▲ /▼ button to Off or On.
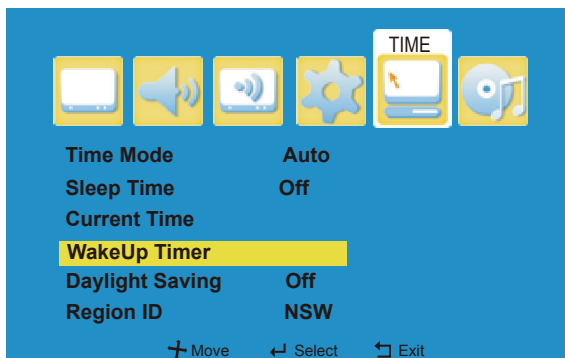3. Press EXIT button to save and return back to the previous menu.

	TIME
Time Mode	Auto
Sleep Time	Off
Current Time	
WakeUp Timer	
Daylight Saving	**Off**
Region ID	NSW
✛ Move	↵ Select ⇥ Exit

SETTING REGION ID (depending on market)

1. Press ▲ /▼ / ◀ / ▶ button to select TIME and then press OK button.
2. Press ▲ /▼ / ◀ / ▶ button to select Region ID, then press OK button to enter and press ▲ /▼ button to select different ID.
3. Press EXIT button to save and return back to the previous menu.
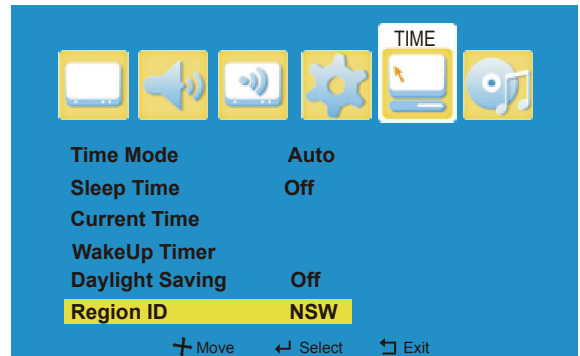
	TIME
Time Mode	Auto
Sleep Time	Off
Current Time	
WakeUp Timer	
Daylight Saving	Off
Region ID	**NSW**
✛ Move	↵ Select ⇥ Exit

SETTING WAKE UP TIME

	TIME
Time Mode	Auto
Sleep Time	Off
Current Time	
WakeUp Timer	
Daylight Saving	Off
Region ID	NSW
✛ Move ↵ Select ⇥ Exit	

TIME
Current Time 2009-01-01 Thu 01:53
Data **2009** 1 . 1   Time 1 : 0
✛ Move   ↵ Select   ⇥ Exit
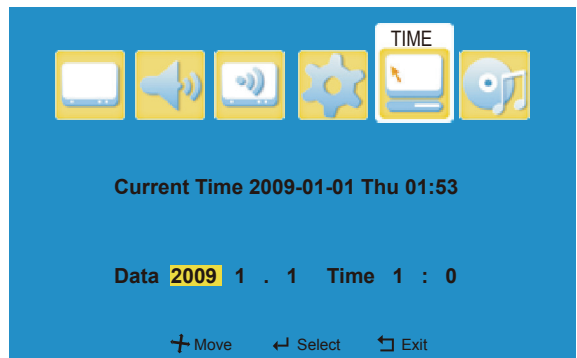
1. Press ▲ /▼ / ◀ / ▶ button to select TIME and then press OK button.
2. Press ▲ /▼ / ◀ / ▶ button to select Wake Up Timer, then press OK button to enter.
3. Press ◀ / ▶ button to select year, then press ▲ /▼ button to choose the year of current time. Select the month and the day with the same method.
4. Press ◀ / ▶ button to select hour, then press ▲ /▼ button to choose the year of current time. Select the minute with the same method.

OTHERS MENU

TO USE A USB DEVICE

1. Press ▲ /▼ / ◄ / ► button to select OTHERS and then press OK button.
2. Press ▲ /▼ / ◄ / ► button to select USB, then press OK button to enter.
3. Press EXIT button to save and return back to the previous menu.
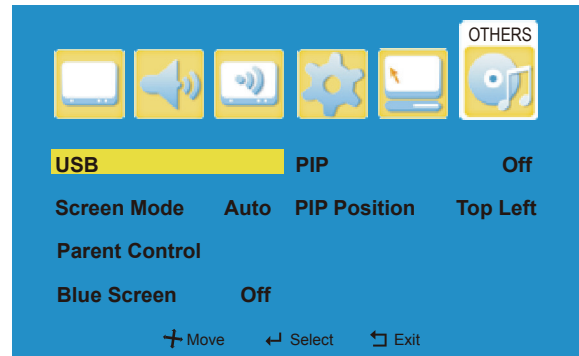
Precautions when using the USB device

► Only a USB storage device is recognizable.
► If the USB storage device is connected through a USB hub, the device is not recognizable.
► A USB storage device using an automatic recognition programme may not be recognized.
► A USB storage device which uses its own driver may not be recognized.
► The recognition speed of a USB storage device may depend on each device.
► Please do not turn off the TV or unplug the USB device when the connected USB storage device is working. When such device is suddenly separated or unplugged, the stored files or the USB storage device may be damaged.
► Please do not connect the USB storage device which was artificially manoeuvred on the PC. The device may cause the product to malfunction or fail to be played. Never forget to use only a USB storage device which has normal music files, image files or movie files.
► Please use only a USB storage device which was formatted as a FAT32 file system, NTFS file system provided with the Windows operating system. In case of a storage device formatted as a different utility programme which is not supported by Windows, it may not be recognized.
► Please connect power to a USB storage device (over 0.5A) which requires an external power supply. If not, the device may not be recognized.
► Please connect a USB storage device with the cable offered by the USB device maker.
► Some USB storage devices may not be supported or operated smoothly.
► File alignment method of USB storage device is similar to Window XP and filename can recognize up to 100 English characters.
► Be sure to back up important files since data stored in a USB memory device may be damaged.

USB MULTIMEDIA PLAYBACK FORMAT

Media	File Ext.	Codec		Remarks
		Video	Audio	
Movie	.avi	MPEG-4 H.264 Baseline Profile, H.264 Main Profile, H.264 High Profile	MP3, AC3, MP2, MP3, PCM	**Resolution&Frame Rate:** 1920×1080/1440×1080/1280×1080 @23.976~30 fps, 1280×720/720×576/720×480 @23.976~50 fps, Max Data Rate: 16 Mbps
	.asf/ .wmv	VC1 Advanced Profile, WMV3 Simple Profile, Main Profile	WMA	**Resolution&Frame Rate:** 1920×1080/1440×1080/1280×1080 @23.976~30 fps, 1280×720/720×576/720×480 @23.976~50 fps **Max Data Rate: 16 Mbps**
	.mov/ .mp4	MPEG-4, H.264 Baseline Profile, H.264 Main Profile, H.264 High Profile	AC3	
	.mpg/ .ps	MPEG-2, MPEG-4	AC3, MP2, PCM Private, AC3 Private, LPCM	
	.ts	MPEG-2, MPEG-4, H.264 Baseline Profile, H.264 Main Profile, H.264 High Profile	AC3, PCM, MP2	
Music	.mp3	--	MP3	--
	.wma	--	WMA	--
Photo	.jpg/ .jpeg	High-Definition Baseline JPEG Progressive JPEG JPEG 2000		**Pixel Depth: 8/24/32 bpp**
	.bmp	--		**Pixel Depth:** 1/4/8/16/24/32 bpp
	.png	--		**Pixel Depth:** 1/2/4/8/24/32/48/64 bpp
	.tif	--		**Pixel Depth:** 1/2/4/8/16/24/32 bpp
	.gif	--		**Pixel Depth:** 8/24/32 bpp

Note: 1. Fast-word and rewind for *.mpg, *.ps and *.ts are not applicable;

OTHERS MENU

TO USE A USB DEVICE

SELECT

1. Press ▲ /▼ /◄ /► button to select and then press OK button to enter USB device.
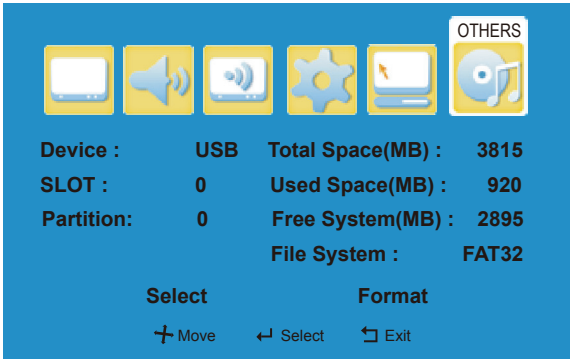
ALL LIST

You can view all files on USB storage device.

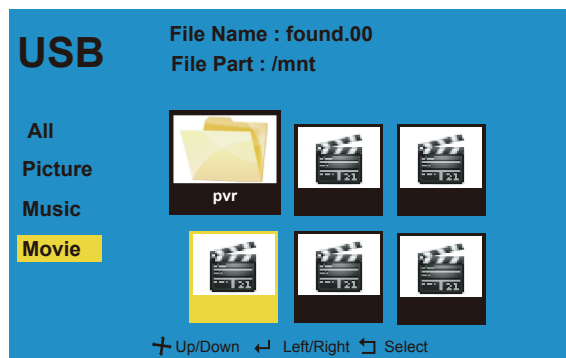1. Press ▲ /▼ /◄ /► button to select All and then press ▲ /▼ /◄ /► button to select the program you want to play.
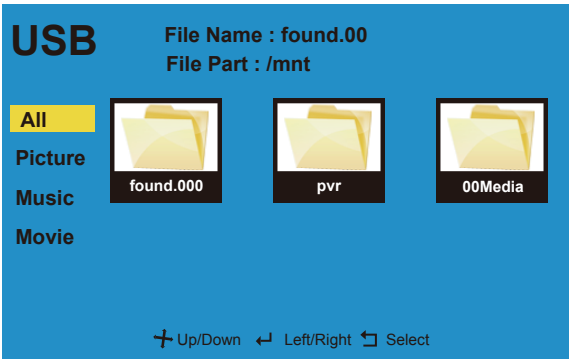
PICTURE LIST

You can view Picture files on USB storage device. The On Screen Display may be different from your TV. Images are an example to assist with the TV operation.

1. Press ▲ /▼ button to select Picture and then press ▲ /▼ /◄ / ► button to select the picture you want to look.

2. Press OK button to view the selected picture.

OTHERS MENU

TO USE A USB DEVICE

PICTURE LIST - How to view photo

Previous (◀) : previous picture

Next (▶) : next picture

Clockwise rotate (↻) : clockwise rotating

- Rotates the photo 90˚,180˚,270˚,360˚ clockwise

- It cannot be rotated when the width of a picture is bigger than supported height.

Anticlockwise rotate (↺) : anticlockwise rotating

Picture menu (⚙) : picture menu

Slideshow (▶) : all photos in the current folder are displayed in a slide show.

1. Press ◀ / ▶ button to select Previous and then press OK button to view the previous picture.

2. Press ◀ / ▶ button to select Next and then press OK button to view the next picture.

3. Press ◀ / ▶ button to select Clockwise rotate and then press OK button clockwise rotating the picture.

4. Press ◀ / ▶ button to select Anticlockwise rotate and then press OK button anticlockwise rotating the picture.

5. Press ◀ / ▶ button to select Slideshow and then press OK button to slideshow the picture.

6. Press ◀ / ▶ button to select Picture menu and then press OK button the menu will appear as follow:

Repeat	Off
Shuffle	Off
Slide Speed	3s
Transition Effect	Fade
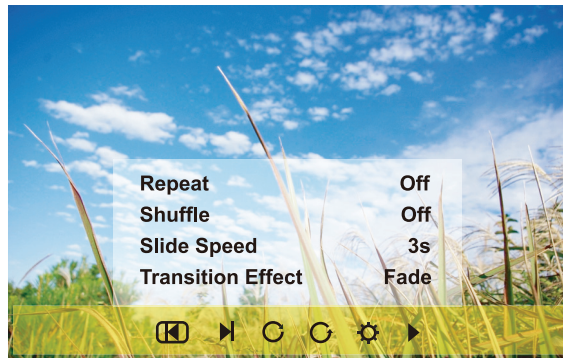
- Press ▲ /▼ button to select Repeat and press ◀ / ▶ button select On or Off.
  This function used in setting to slideshow the picture.

- Press ▲ /▼ button to select Shuffle and press ◀ / ▶ button select On or Off.
  This function used in setting the picture randomly.

- Press ▲ /▼ button to select Slide Speed and press ◀ / ▶ button select 3s, 5s or 10s.
  This function used in setting the picture slideshow speed.

- Press ▲ /▼ button to select Transition Effect and press ◀ / ▶ button select 3s, 5s or 10s.
  This function used in setting the picture slideshow speed.

OTHERS MENU

TO USE A USB DEVICE

MUSIC LIST

You can play music files on USB storage device.

Purchased music files (*.mp3) may contain copyright restrictions, Playback of these files may not be supported by this model.

The On Screen Display may be different from your TV. Images are an example to assist with the TV operation.

1. Press ▲ /▼ button to select Music and then press OK button to show all folders and the music files.
2. Press ▲ /▼ /◄ /► button to select the music file you want to play.
3. Press OK button to play
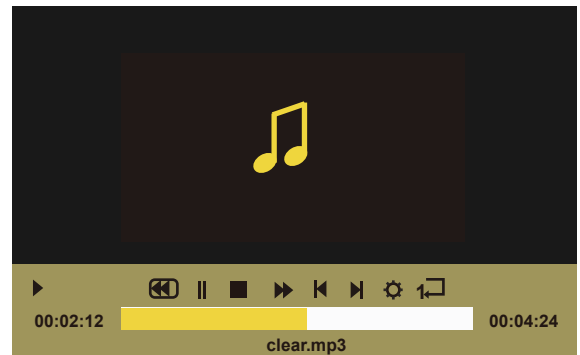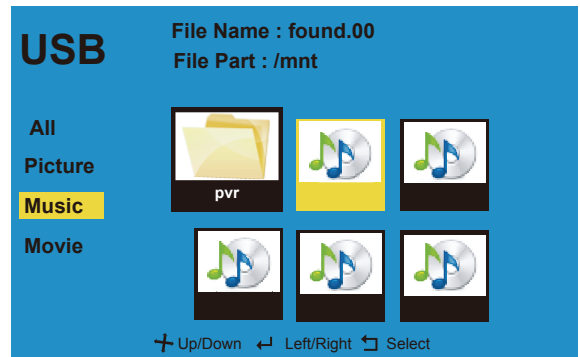
OTHERS MENU

TO USE A USB DEVICE

MOVIE LIST

You can play music files on USB storage device.

The On Screen Display may be different from your TV. Images are an example to assist with the TV operation.

1. Press ▲ /▼ button to select Movie and then press OK button to show all folders and the movie files.
2. Press ▲ /▼ / ◄ / ► button to select the movie file you want to play.
3. Press OK button to play

OTHERS MENU

TO USE A USB DEVICE

FORMAT

1. Press ▲ /▼ / ◄ / ► button to select Format and then press OK button to enter.

<div>

Device :   **USB**   **Total Space(MB) :**   **3815**
SLOT :   **0**   **Used Space(MB) :**   **920**
Partition: **0**   **Free System(MB) :**   **2895**
    File System :   **FAT32**

Select   **Format**

✛ Move   ↵ Select   ↰ Exit

</div>
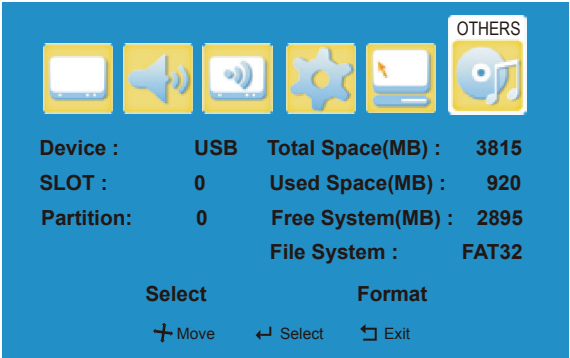
2. Press OK button to select FAT32, EXT3 or EXT2.
   After selecting, press ▲ /▼ button to select OK and then you can show the window as below.

<div>

Format

Please choose File System Format

File System :   **FAT32**

OK   **Cancel**

</div>
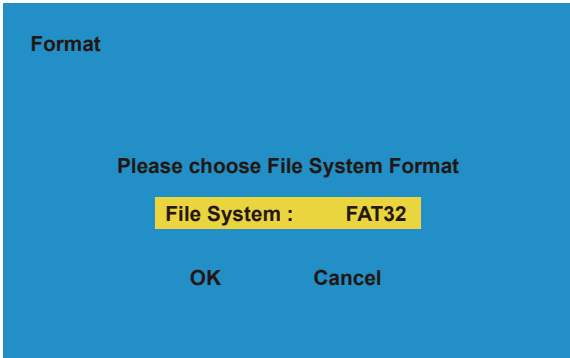
3. Press ◄ / ► button to select Yes, then press OK button to format the USB device.

<div>

Format

Format deivic. Are you sure?

Yes   **No**

</div>
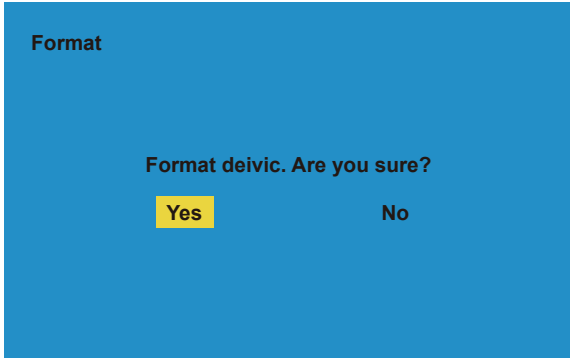
OTHERS MENU

SCREEN MODE

1. Press ▲ /▼ / ◄ / ► button to select Screen Mode and then press OK button to enter.
2. Press ▲ /▼ button to select 16:9 Wide, 16:9 Zoom, 16:9 Subtitle, 4:3, Auto.

> You can select the Screen Mode by ASPECT button on the remote control.

USB	PIP	Off
Screen Mode **Auto**	PIP Position	Top Left
Parent Control		
Blue Screen **Off**		

✛ Move   ↵ Select   ↰ Exit

PARENTAL CONTROL

USB	PIP	Off
Screen Mode Auto	PIP Position	Top Left
Parental Control		
Blue Screen Off		

✛ Move   ↵ Select   ↰ Exit

Please Input Password
● ● ● ●

✛ Move   ↵ Select   ↰ Exit
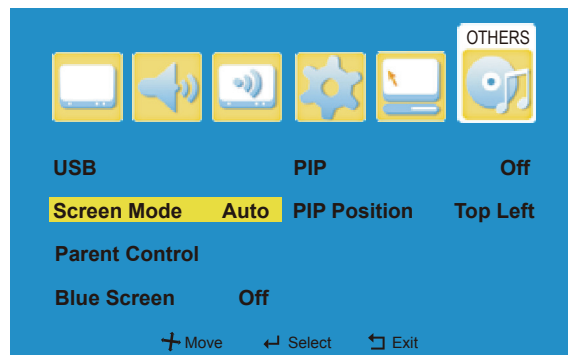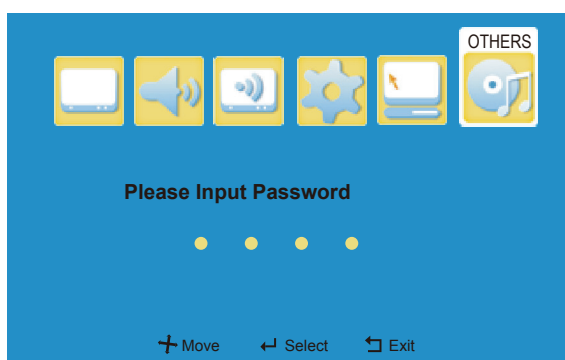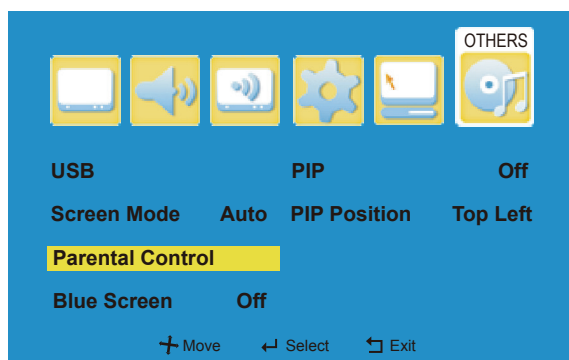
1. Press ▲ /▼ / ◄ / ► button to select Parental Control and then press OK button to enter.

2. Press input the password, default password is "8888".

Parental Look   Off

Parental Rating   4

Change PIN

✛ Move   ↵ Select   ↰ Exit

Please Input Your Old Password
● ● ● ●

✛ Move   ↵ Select   ↰ Exit
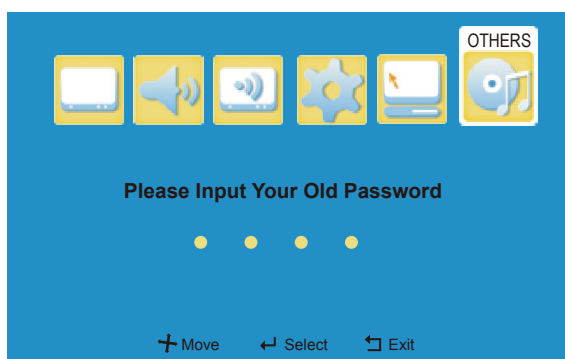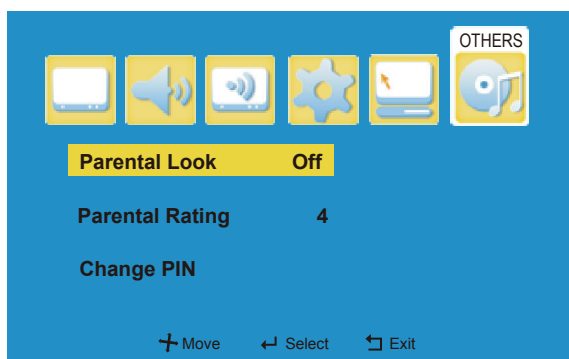
3. Press ▲ /▼ button to select Parental Lock, then press OK button to enter and press ▲ /▼ button to select Off or On.

4. Press ▲ /▼ button to select Parental Rating, then press OK button to enter and press ▲ /▼ button to select between 3 to 18.

5. Press ▲ /▼ button to select Change PIN, then press OK button to enter.

   After inputting the old password, input your new password and then input your new password again.

   After password has been changed the "Password Changed!" message will be displayed.

OTHERS MENU

BLUE SCREEN

1. Press ▲ /▼ / ◄ / ► button to select Blue Screen and then press OK button to enter.
2. Press ▲ /▼ button to select Off or On.
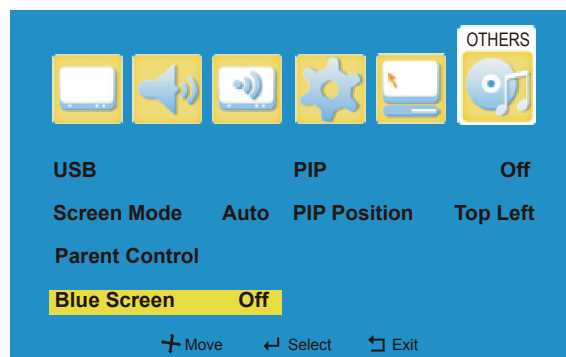
SCREEN MODE

1. Press ▲ /▼ button to select PIP, then press OK button and Press ▲ /▼ button to select Off, AV1 or AV2.
2. When you select ON, the TV shows will appear on the screen selected PIP position.
3. Press ▲ /▼ button to select PIP, then press OK button and press ▲ /▼ button to select Off to exit the PIP.

   The available sub sources go with the main pictures are different between TV models.
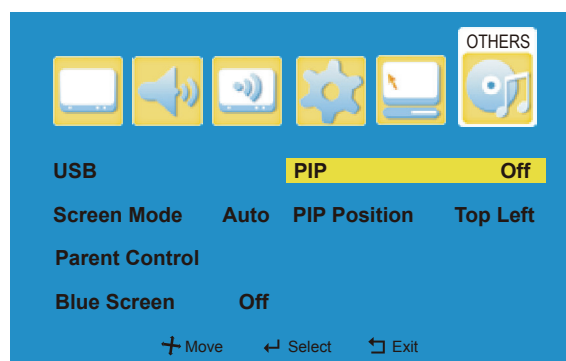
SCREEN MODE

1. Press ▲ /▼ button to select PIP Position, then press OK button and Press ▲ /▼ button to select Top Left, Top Right, Bottom Right and Bottom Left.
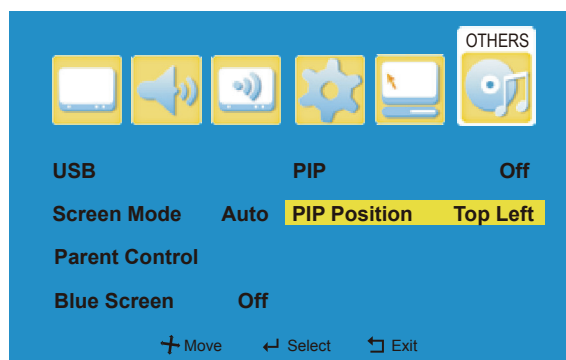
SETUP FOR PC MENU

PC MENU

1. Press ▲ /▼ / ◄ / ► button to select PC and then press OK button.
2. Press ▲ /▼ / ◄ / ► button to select the function that you want to adjust.
3. After finishing your adjustment, press EXIT button to save and return back to the previous menu.
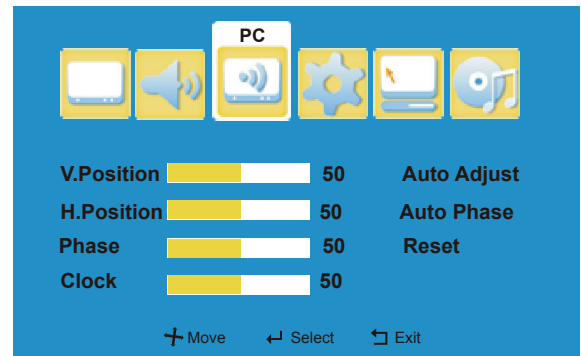
V-Position: It moves the image on the screen vertically.

H.Position: It moves the image on the screen horizontally.

Phase: It adjusts the phase shift of the image.

Clock: It adjusts the frequency of image signal.

Auto Adjust: It sets factory default. On Analog RGB use Auto configure, when the screen is not focused or centred, Control size, H/V position automatically.

Auto Phase: It sets the phase automatically.

Reset: It resets all of the parameters to the factory default.

SETUP FOR COMMON INTERFACE

Common Interface

The Common Interface Menu only display after CI card inserted

1. Press ▲ /▼ /◄ /► button to select Common interface and then press OK button.

2. Press ▲ /▼ button to select.

3. Press ▲ /▼ button to options and then press OK button to see the detailed information of the CI card.

SETUP

Country	UK	Common Interface
OSD Language	English	Network
Audio Language		Reset
Teletext Language	English	Setup Wizard
Subtitle		

✛ Move   ◄┘ Select   🔁 Exit

Common Interface

Irdeto Access

IRDETO-MAIN

Status

Messages

Language Setup

Update Software

Exit

Press 'OK' to selsct;Press 'EXIT'to quit.
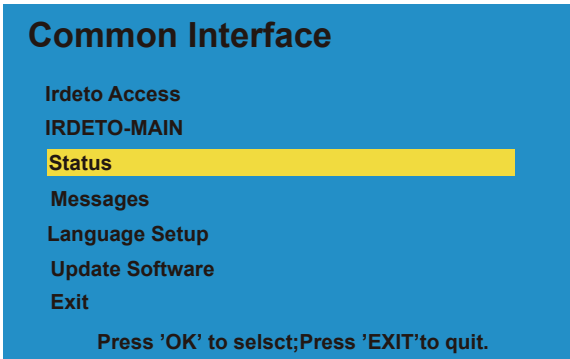
SETUP FOR DLNA

Digital Living Network Association

Before operating the DLNA menu, make sure the TV is connected to the local network with a Ethernet cable in the LAN for DLNA connector on the side of the TV.

1. Press INPUT button on the remote control, press ▲ /▼ button to select DLNA and then press OK button.

2. Press OK button to enter, the TV will automatically search and display any DLNA enabled devices on the network. If the specific DLNA server cannot be found, please try to restart the DLNA device, or check that the latest drivers are used for the DLNA device you are trying to connect the TV to.

3. Supported video and picture files format to be played with DLNA are listed below.

Media Servers	Media Server Total	1
	DLNAServer	

File List

File Name: Media
File Path: DMS/DLNAServer

All
Picture
Music
Movie

✛ Up/Down ◄► Left/Right ◲ Select

DLNA MULTI MEDIA PLAYBACK FORMAT

Media	File Ext.	Codec		Remarks
		Video	**Audio**	
Movie	.avi	MPEG-4 H.264 Baseline Profile, H.264 Main Profile, H.264 High Profile	MP3, AC3, MP2, MP3, PCM	**Resolution&Frame Rate:** 1920×1080/1440×1080/1280×1080 @23.976~30 fps, 1280×720/720×576/720×480 @23.976~50 fps, **Max Data Rate:** 16 Mbps
	.mpg/ .ps	MPEG-2, MPEG-4	AC3, MP2, PCM Private, AC3 Private, LPCM	**Resolution & Frame Rate:** 1920×1080/1440×1080/1280×1080 @23.976~30 fps, 1280×720/720×576/720×480 @23.976~50 fps **Max Data Rate:** 16 Mbps
	.ts	MPEG-2, MPEG-4, H.264 Baseline Profile, H.264 Main Profile, H.264 High Profile	AC3, PCM, MP2	
Music	.mp3	--	MP3	--
	.wma	--	WMA	--
Photo	.jpg/ .jpeg	High-Definition		**Pixel Depth:** 8/24/32 bpp
		Baseline JPEG		
		Progressive JPEG		
		JPEG 2000		
	.bmp	--		**Pixel Depth:** 1/4/8/16/24/32 bpp
Note: 1. Fast-word and rewind are not applicable;				

SYTEM SETTING IN THE WORLD/INTERNET INPUT MODE

LOCALE SETTING

1. Select the "System setting" then press OK button to select "Locale & text" then press OK button to select "Select locale"

2. Press ▲ /▼ button to select locale & language, then press OK button to set locale & language.

3. Press Home button or ↺ button to return back to the previous menu.

```
System Setting > Locale & Text
Select Locale                                              ⊙
Select Language and Region
Text Settings
IME Language
Select IME Language
```
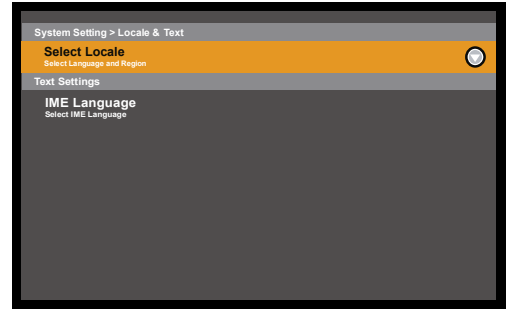
IME SETTING

1. Select the "Setting" then press OK button to select "Locale & text then press OK button to select "Select IME language"

2. Press ▲ /▼ button to select prefer language, then press OK button to set language.

3. Press Home button or ↺ button to return back to the previous menu.

```
System Setting > Locale & text
Select locale                                              ⊙
Select language and region
Text settings
IME Language
Select IME Language
```
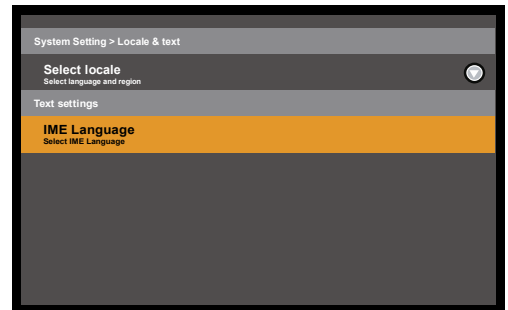
TIME ZONE SETTING

1. Select the "Setting" then press OK button to select "Date & Time" then press OK button to select "Select Time Zone"

2. Press ▲ /▼ button to select Time zone, then press OK button to set Time zone.

3. Press Home button or ↺ button to return back to the previous menu.

```
System Setting>Locale & text
Select locale                                              ⊙
Select language and region
Text settings
IME Language
Select IME Language
English                                                    ⊙
Korean                                                     ○
Japanese                                                   ○
Arabic                                                     ○
                        Cancel
```
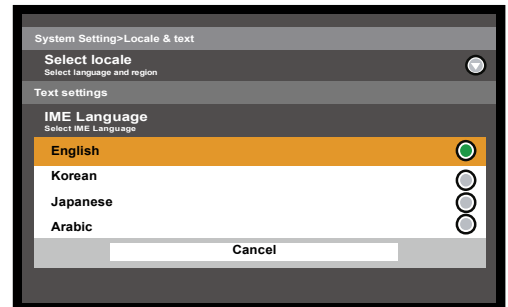
> **❗ NOTE**
> - Time Zone is listed from the fastest time area of GMT.
> - Press Menu button to see listed by area.

```
System Setting>Date & time
Select time Zone                                           ⊙
GMT-06:00, Central Daylight  Time
Use 24-hour format                                         ☑
13:00
```
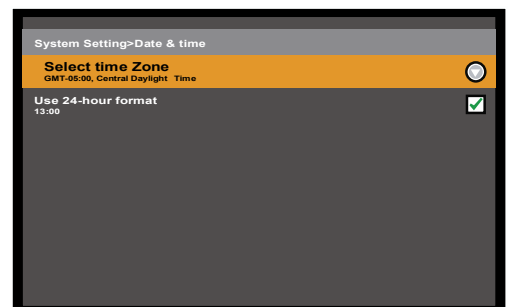
SYSTEM SETTING

SCANDINAVIA FIXED LINE/ETHERNET SETTINGS

1. Enter the World-mode as indicated on previous pages

2. Move cursor to the "Setting". Press OK button to select "Network" and press the OK button to select "Ethernet Network".

3. The ethernet network will now be automatically checked and selected. Depending on the physical status, "Connected" or "Disconnected" will be displayed.

4. Step down, using the ▲/▼ buttons to select "Ethernet Configuration", and press OK button to set Ethernet configuration.

5. In case the Ethernet network has automatic DHCP settings, choose DHCP. Otherwise, choose Static IP.

6. In case of static IP, use the keyboard or the virtual keyboard to enter the necessary information.

7. Press the back button to return back to the previous menu.

ℹ️ Information
- As default, connections are set as DHCP, automatic.
- Please check firewall and router settings on the network with your local network administrator.
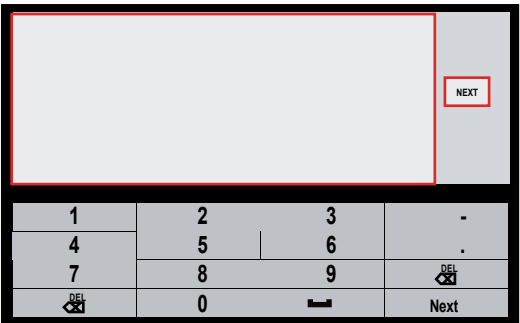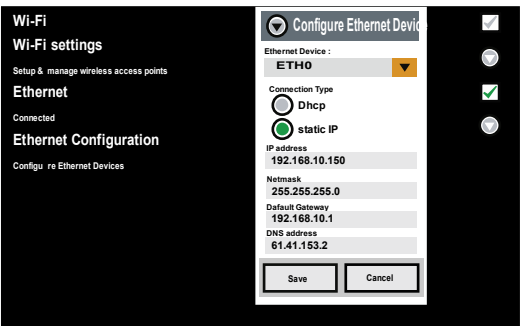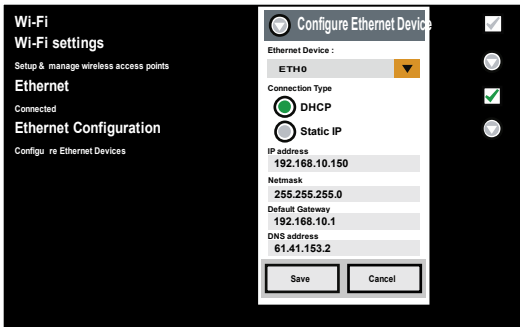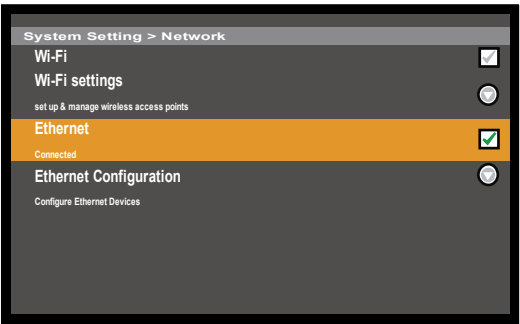
SYSTEM SETTING

WI-FI SETTINGS

1. Select the "Setting" then press OK button to select "Network" then press OK button to select "Network".

2. Depending on its physical status, it will show "Connected" or "Disconnected" of connection condition.

3. Press ▲ /▼ button to select "Wi-Fi" then press OK button to set "Wi-Fi setting".

4. A list of nearby Wi-Fi networks will be displayed. Choose the one you want to connect to, and choose OK.

5. If necessary, enter the network security information, such as password.

6. Press Home button or ↺ button to return back to the previous menu.

Wi-Fi
Turn on Wi-Fi
Network notification
Notify me when an open network is available
Wi-Fi networks
Add Wi-Fi network

System Setting>Network>   Wi-Fi
Wi-Fi
Turn on Wi-Fi
Network notification
Notify me when an open network is available
Wi-Fi networks
Belkin
Connected
Netgear
Open network
Lava
Open network
RND
Secured with WPA2
ADD Wi-Fi network

ON
Network is available

BELKIN

Add Wi-Fi Network

Network SSID

Security
None ▼

Save   Cancel

TIME

System Setting > Network > Wi-Fi
Wi-Fi
Turn on Wi-Fi
Network notification
Notify me when an open network is available

🛈 NOTE
- Please contact People of Lava or your local retailer to purchase special USB dongles for Wi-Fi.
- It is recommended to re-start the TV after the USB-dongle has been connected.

SYSTEM SETTING

DISPLAY SETTING

1. Select the "Setting" then press OK button

2. Press ▲ /▼ button to select "Display" then press OK button to set "Display".

3. Adjust yellow border to meet the screen borders by ▲ /▼ / ◄ / ► buttons (Move focus by ◄ / ► buttons then adjust border to meet screen by ▲ /▼ buttons)

4. Press OK button to save.

5. Press Home button or ⟳ button to return back to the previous menu.

System Setting

Locale & text
Set locale(language and region), text input
Date & time
Set time zone, formats
Widget
Set weather location and temperature,clock skin
Network
Set ethernet and Wi-Fi
Display
Set screen size
Information
Manufacture, model name, version
Upgrade
Device upgrade
User Manual
Access User Manual webpage

Menu Select   OK   Scale Control

save OK
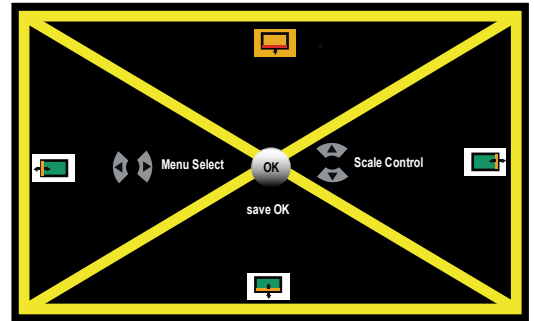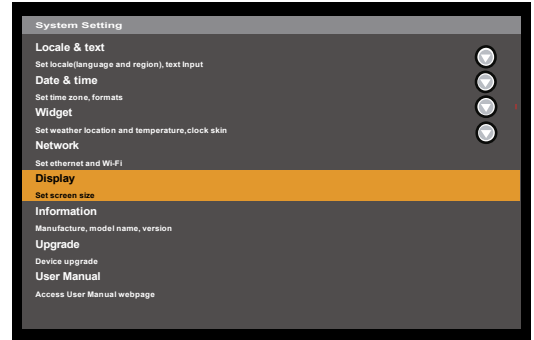
FIRMWARE UPGRADE

1. Select the "Setting" then press OK button to select "Upgrade" then press OK button to select "Upgrade"

2. Press ▲ /▼ button to select "Upgrade" then press OK button to "Upgrade".

3. Press Home button or ⟳ button to return back to the previous menu.

System Setting>Information

Manufacture
Lava
Model No.

Software Version
1.0.1
Ethernet Mac Address
CC-22-18-FO-34-98
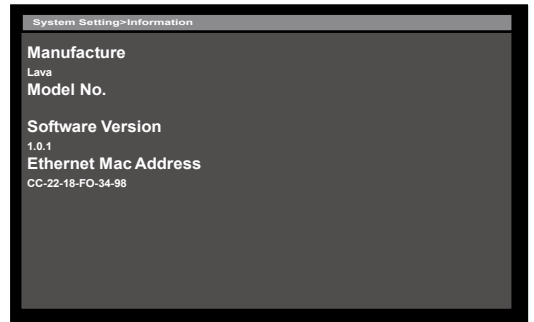
❗ NOTE
- Firmware upgrade is possible only when connected to the internet.
- During upgrade, Don't power off or disconnect internet, it will cause the unit to malfunction.

SYSTEM SETTING

WIDGET SETTING (Weather)
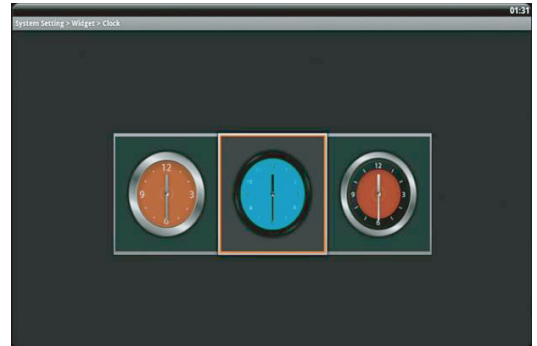
1. Select the "Setting" then press OK button to select "Widget" then press OK button to select "Widget"

2. Press ▲ /▼ button to select "Weather" then press OK button to set "Weather".

3. Press ▲ /▼ button to select "Location" then choose Location then press OK button to set.

4. You can search country by enter country name in the right search window.

5. After country selection, you can also search for city by using the search window.

6. Press Home button or 🔄 button to return back to the previous menu.
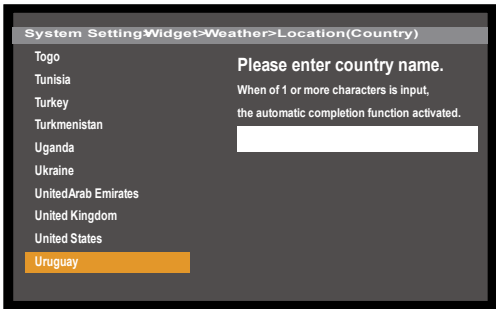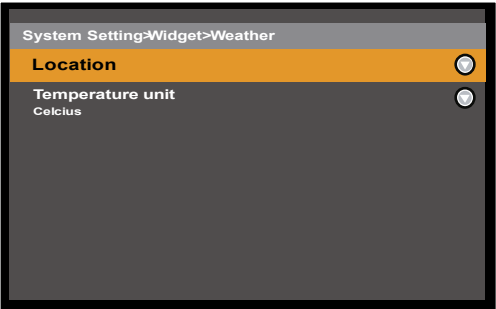
WIDGET SETTING (Temperature)

1. Select the "System setting" then press OK button to select "Widget" then press OK button to select "Widget"

2. Press ▲ /▼ button to select "Weather" then press OK button to set "Weather".

3. Press ▲ /▼ button to select "Temperature unit" then press OK button to set.

4. Choose "Celsius" or "Fahrenheit" temperature format you prefer, then press OK button to set.

5. Press Home button or 🔄 button to return back to the previous menu.
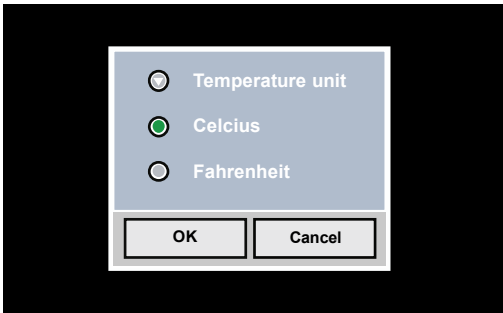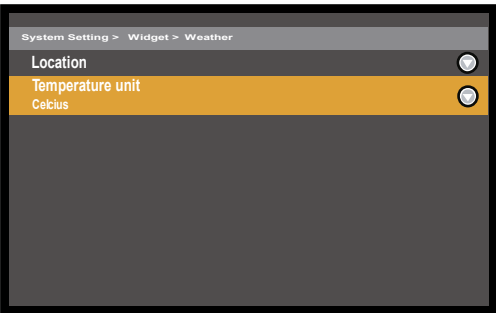
SYSTEM SETTING

WIDGET SETTING (Clock/Calendar)

1. Select the "System setting" then press OK button to select "Widget" then press OK button to select "Widget"

2. Press ▲ /▼ button to select "Clock" then press OK button to set "Clock".

3. It shows clock skin, then choose prefer clock skin. Press ◄ / ► button to select "Clock skin" then press OK button to set.

4. Press Home button or button to return back to the previous menu.

5. Calendar widget can be set with the same method.

❶ NOTE
- The widget settings can only be changed when the unit is connected to the Internet.

BROWSER

WINDOWS

1. Select the "WWW" then press OK button to go to the browser.

2. You can move anchor by ▲ /▼ /◄ / ► buttons.

3. Press OK button to enter.

4. Press ↺ button to backward to previous web page.

5. You can zoom in / zoom on web page by pressing the 🔍 🔍 buttons.

6. You can move screen up and down by Ch+/Ch- buttons.

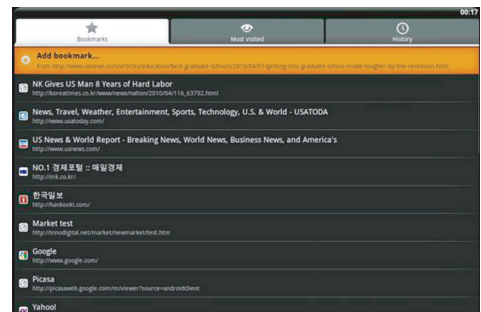7. Press Home button or ↺ button to return back to the previous menu.
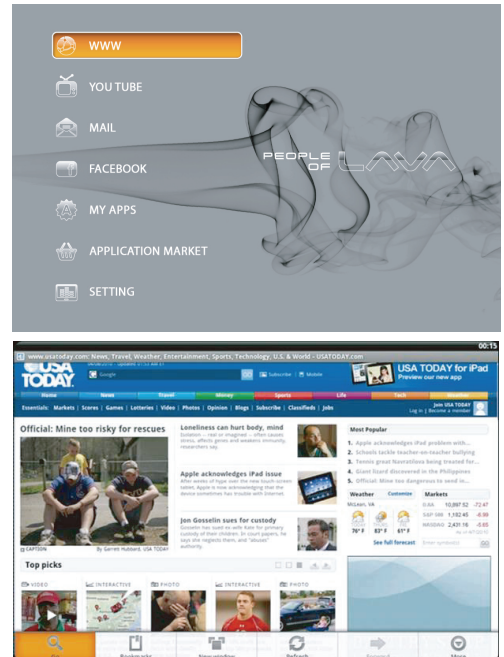
GO

1. Press Menu button at Browser.

2. Select the "Go" on menu bar of bottom.

3. Press OK button, it shows URL search bar.

4. Press OK button at search bar, it shows virtual keyboard.

5. Press URL you like to go by remote control or virtual keyboard.

6. Press OK button or Go of virtual keyboard to go to site you wrote at the URL search bar.

7. Press Home button to exit or go to main menu.
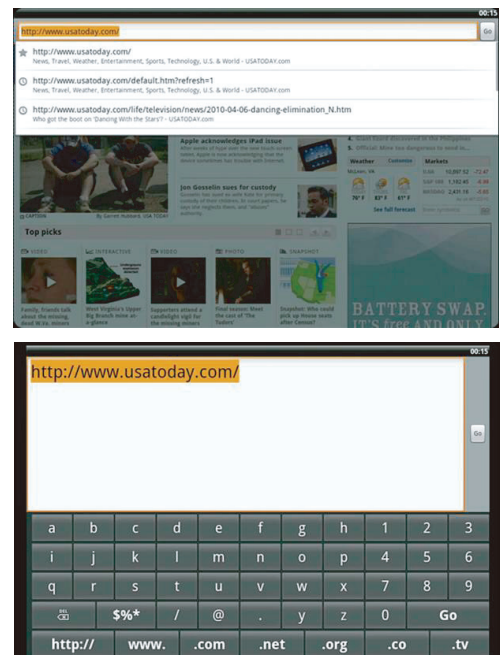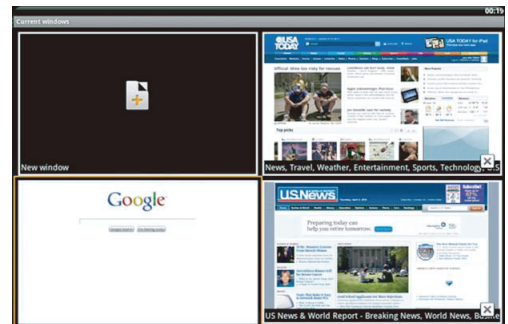
BROWSER

BOOKMARKS

1. Select the "WWW" then press OK button to go browser.
2. Press menu button to add bookmark of current web page.
3. Press ▼ button then press OK button at "Add bookmarks" to list up at bookmarks list.
   You can change name of bookmarks name by keyboard typing.
4. You also can bookmark other webpages as typing of URL at bookmarks list.
5. You can go to listed webpage directly from the bookmarks. Press the menu to go bookmarks then press ▲ /▼ button to go webpage you want.
6. You can search 'Most visited' and 'History' at top menu bar.
7. Press Home button to return back to the main menu.

WINDOWS

1. Select the "WWW" then press OK button to go browser.

2. Press menu button to open web browser as new window. Windows display as four splitted section.

3. Press ◄ / ► /▲ /▼ button to go to window you want.

4. Press Home button to main menu or ⟳ button to return

   back to the previous menu.

REFRESH

1. Select the "WWW" then press OK button to go browser.

2. Press menu button to refresh current browser.

3. Press ◄ / ► button to go refresh button then press OK button.

BROWSER

FORWARD

1. Select the "WWW" then press OK button to go browser.

2. Press menu button to go forward from current browser.

3. Press forward button then press OK button.

MORE

1. Select the "Browser" then press OK button to go browser.

2. Press menu button to view more information of current web.

3. Press ◄ / ► /▲ /▼ button to se more buttons then press OK button.

4. You can set page contents, privacy and security of current web.

YOU TUBE

YouTube Basic Function

1. Select "YouTube" then press OK button to enter YouTube.

2. You can choose Featured / Most Viewed / Most Rated / Top Rated as press ▲ /▼ button to go you want

3. Press ◄ / ► button to go most viewed at You tube main page then press OK button.

4. Display as whole screen for chosen movie.

5. At recently featured, press ▲ /▼ button to choose movie you want. You can see information for chosen movie on the left screen.

6. Press OK button to see preview of chosen movie. (Preview stops when preview finish or press reload button)

7. If you want to see as whole screen, press ▲ /▼ button to

   choose movie then press 🔍 button.

8. If movie finishes or press ↺ button, Movie stop then return

   to related video.

9. Press ↺ button, return to previous movie list.
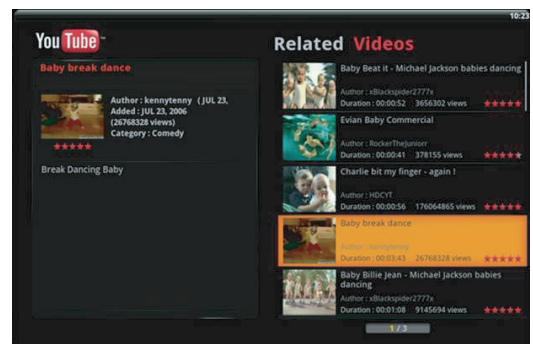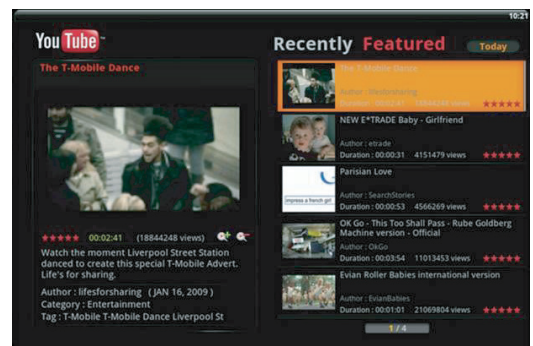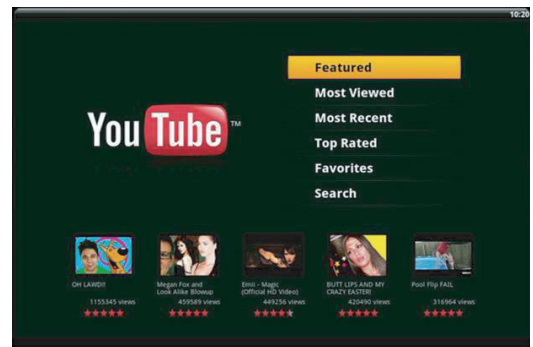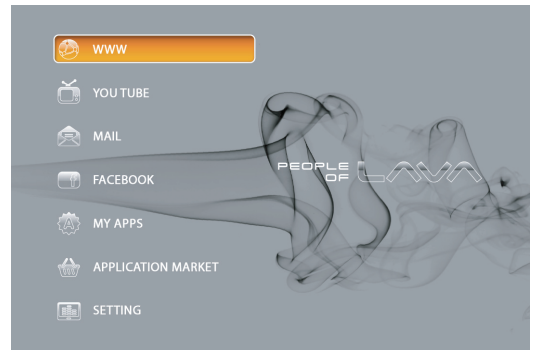
YOU TUBE

YouTube Menu Function

Add Favorite

1. At YouTube sub menu, Press menu button then add favorite.
   Press OK button to add to favorite movie.

2. You can see favorite movie list when you press at "Favorites"

Category

1. You can see YouTube movie by category.
   At YouTube sub menu, Press menu button then press ◄ / ► button to go category.
   Press OK button to see category.

2. Press ▲ /▼ button to move prefer category.
   (Category can be list up by Autos & vehicles / Comedy / Education / ....)

3. Press ▲ /▼ button to select "OK" and "Cancel"

Date

1. You can see YouTube movie by date.
   At YouTube sub menu, Press menu button then press ◄ / ► button to go date.
   Press OK button to set time condition for search.

2. Press ▲ /▼ button to set date.
   (You can set All date / Today / Week / Month)

3. Press ▲ /▼ button to select "OK" and "Cancel"

Related Videos

1. You can see YouTube movie by related video.
   At YouTube sub menu, Press menu button then press ◄ / ► button to go related video.
   Press OK button to move related video list.

Search

1. You can search movie you want at YouTube. YouTube movie by related video.
   At YouTube Main menu, Press search as ▲ /▼ button then press OK button.
   Type search word at box, then set categories and upload date at search options.

2. Press ▲ /▼ button then press OK button at Reset.
   It can be installed at search word at box.

APPLICATION MARKET

- You can download various applications from application market.

Application download

1. Select the "Application market" then press OK button to go Application market.

2. You can choose application you want to download by ▲ /▼ / ◄ / ► buttons then press OK button to start download.

4.   Download starts.
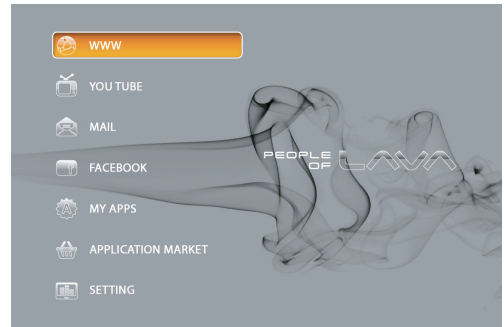
Open your Applications

1. Press APPS button of remote control, You can see Application folder. (It displays download application only)

2. Choose application icon you want by ▲ /▼ / ◄ / ► buttons

3. Application starts.

4. Application will be updated by manufacturer.
   (Please contact manufacturer or distributor if you have any new applications)
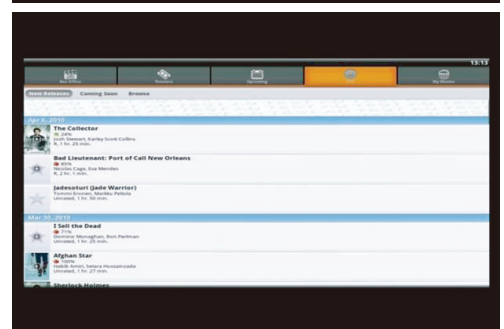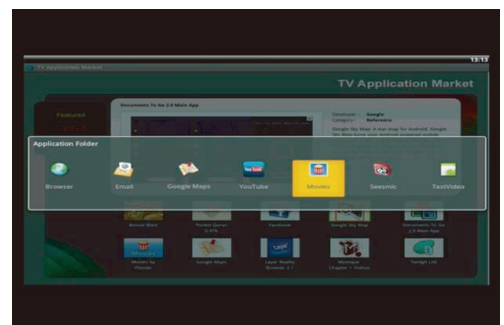
TROUBLESHOOTING

The TV does not operate properly

The remote control does not work

- Check to see if there is any object between the TV and the remote control causing an obstruction.
- Ensure you are pointing the remote control directly at the TV.
- Ensure that the batteries are installed with correct polarity (+ to +, - to -).
- Install new batteries.

Power is suddenly turned off

- Is the sleep timer set?
- Check the power control settings. Has the Power supply been interrupted?
- If the TV is switched on and there is no input signal, it will switch off automatically after 15 minutes.

The TV does not operate properly

No picture & No sound

- Check whether the TV is switched on.
- Try another channel. The problem may be with the broadcast.
- Is the power cord inserted correctly into the mains?
- Check your antenna direction and/or location.
- Test the mains outlet by plugging another TV into the same outlet.

Picture appears slowly after switching on

- This is normal, the image is muted during the TV startup process.
  Please contact your service centre, if the picture has not appeared after five minutes.

No or poor colour or poor picture

- Adjust Colour in menu option.
- Allow a sufficient distance between the TV and the VCR.
- Try another channel. The problem may be with the broadcast.
- Are the video cables installed properly?
- Activate any function to restore the brightness of the picture.

Horizontal/vertical bars or picture shaking

- Check for local interference such as an electrical appliance or power tool.

Poor reception on some channels

- Station or cable channel experiencing problems, tune to another station.
- Station signal is weak, reposition the antenna to receive weaker stations.
- Check for sources of possible interference.

Lines or streaks in pictures

- Check antenna (Change the position of the antenna).

TROUBLESHOOTING

The video function does not work

No picture when connecting HDMI

- Check that your HDMI cable is version 1.3 or higher.
  If the HDMI cables don't support HDMI version 1.3, flickering or no screen display can result.
  Please use the latest cables that support at least HDMI version 1.3.

The audio function does not work.

Picture OK & No sound

- Press the VOL (+/ -) button.
- Sound muted? Press MUTE button.
- Try another channel. The problem may be with the broadcast.
- Are the audio cables installed properly?

No output from one of the speakers

- Adjust Balance in menu option.

Unusual sound from inside the TV

- A change in ambient humidity or temperature may result in an unusual noise
  when the TV is switched on or off and does not indicate a fault with the TV.

No sound when connecting HDMI or USB

- Check HDMI cable over version 1.3.
- Check USB cable over version 2.0.

There is a problem in PC mode. (Only PC mode applied)

The signal is out of range (Invalid format)

- Adjust resolution, horizontal frequency, or vertical frequency.
- Check the input source.

Vertical bar or stripe on background & Horizontal Noise & Incorrect position

- Use Auto configure or adjust clock, phase, or H/V position. (Option)

Screen colour is unstable or single colour

- Check the signal cable.
- Reinstall the PC video card.